TUNER/SURROUND PROCESSOR

C-F7/L

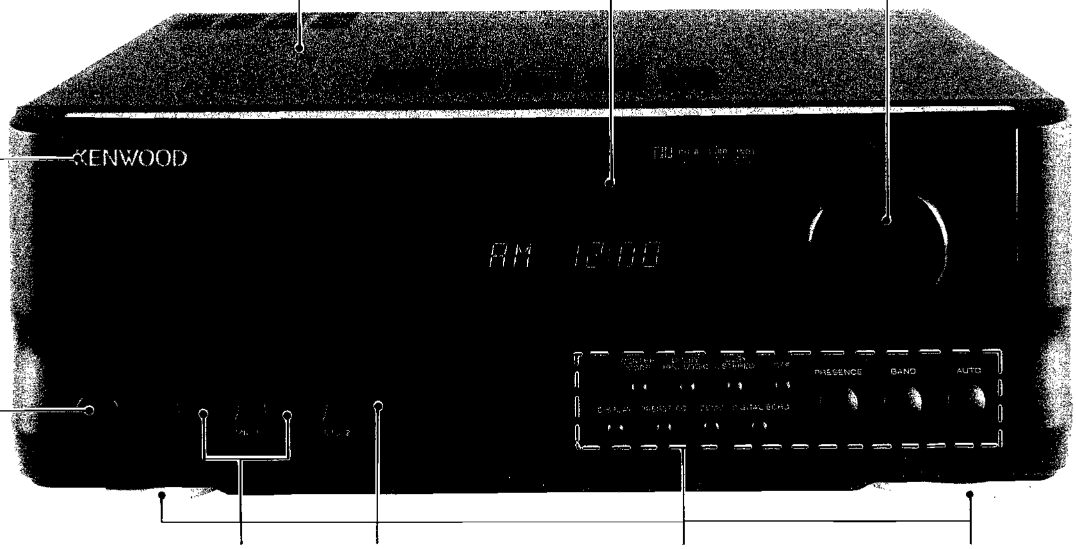
SERVICE MANUAL

KENWOOD

KENW-04438

©1995-3 PRINTED IN KOREA

B51-5026-00(S) 4190


KENWOOD
AM 12:00
PRESENCE
BAND
AUTO

KENWOOD Badge
(B43-0301-04)

Metallic cabinet
(A01-3219-01)

Front glass
(B10-2092-12): K,R,P,Y,M,X
(B10-2093-12): E,G
(B10-2094-12): T

Knob
(K29-6111-14)

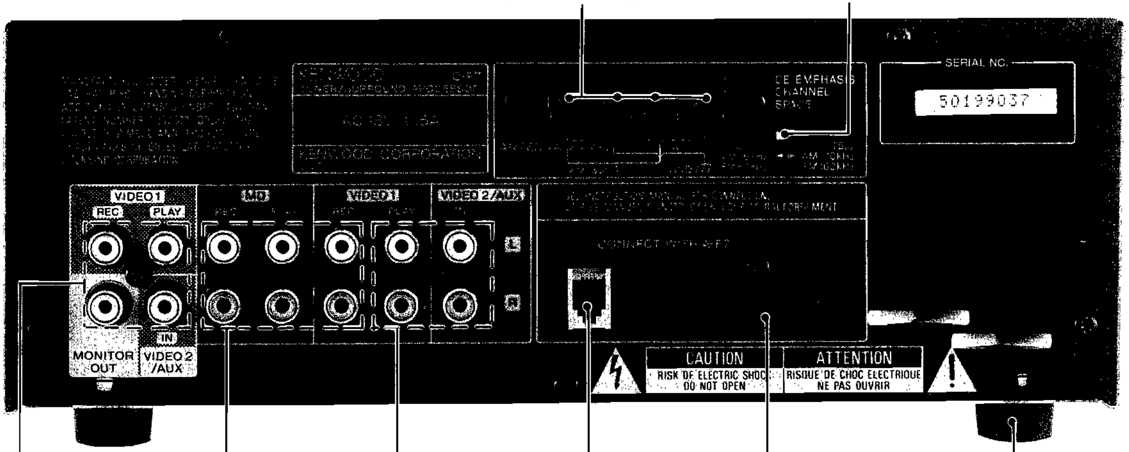
Knob(MIC MIXIING)
(K29-5839-14)

Miniature phone jack
(E11-0262-05)

Panel
(A60-0709-21) : Y,M
(A60-0710-21) : K,R,P,X,T,E,G

Knob
(K29-6106-02) : Y,M
(K29-6107-02) : K,R,P,X,T,E,G

Escutcheon × 2
(B07-2268-14)


SERIAL NO.
50199037
VIDEO 1
REC
PLAY
MD
VIDEO 1
VIDEO 2/AUX
MONITOR OUT
IN
VIDEO 2 /AUX
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

Lock terminal board(Antenna)
(E20-0476-05) : K,R,P,Y,M,X
(E20-0321-05) : T,E,G

Slide switch
(S62-0034-05) : Y,M

Phono jack(4P)
(E63-0069-15)

Phono jack(6P)
(E63-0047-15)

Phono jack(4P)
(E63-0046-15)

Rectangular receptacle
(E58-0014-05)

Rectangular receptacle
(to A-F7)
(E58-0006-05)

Foot × 2
(J02-0366-15)

PRECAUTIONS FOR REPAIR

C-F7/L does not have a power supply transformer. Use **A-F5, A-F7** or **PS-94UA** power supply to supply power.

Photo is C-F7.

4438

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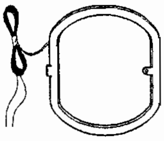
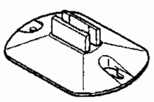
SPECIFICATIONS .... BACK COVER

Accessories (Speaker cords are packed with the Speakers. All other accessories are packed with the Tuner unit.)

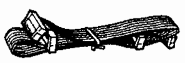
AM loop antenna assy (1)
(T90-0195-05)



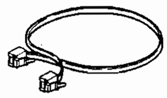
Loop antenna stand
(J19-3645-05)



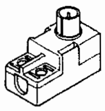
Parallel cord (Thick :1, Thin :1)
(E30-2738-05)



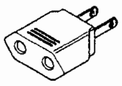
(E35-1063-05) C-F7 only



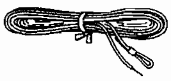
Antenna adaptor (1)
(T90-0198-05)
TEG type only



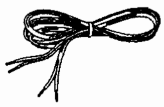
AC plug adaptor (1)
(E03-0115-05)
M type only



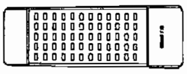
FM indoor antenna (1)
(T90-0801-05)



Speaker cord (2)
(E30-5120-08)

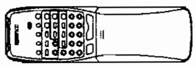


Remote control unit (1)
(A70-1015-05 : RC-F5)



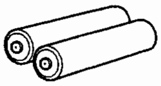
Battery cover: (A09-0106-08)

(X94-1070-00 : RC-F7)



Battery cover: (F07-0721-33)

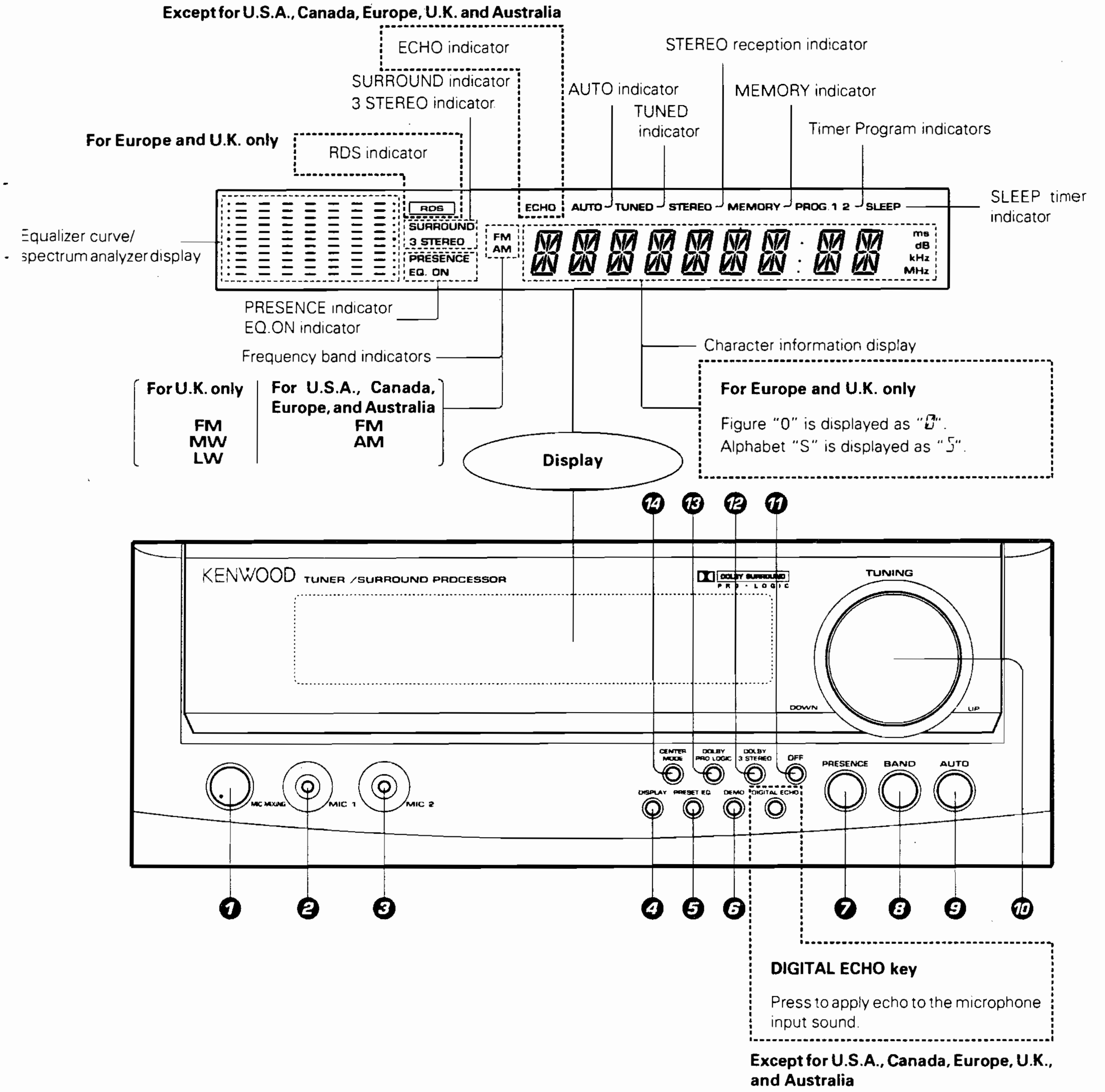
Batteries (R6/AA) (2) ... RC-F5
(R03/AAA) (2) ...RC-F7



System configuration (For parts no. of INSTRUCTION MANUAL, refer to the list on Back cover.)

System	Amplifier	Tuner	CD Player	Deck	Speaker	System Carton Box (Parts Mo.)
UD-703	A-F7	C-F7	DP-F7	X-F7	LS-F5 (KP) / LS-F7 (Other)	--
UD-753	A-F7	C-F7	DP-MF7	X-F7	LS-F5 (KP) / LS-F7 (Other)	H60-0307-04 (K) / H60-0306-04 (PR)
UD-713	A-F7	C-F7	DP-F7	X-F7	LS-F7	H60-0304-04
UD-763	A-F7	C-F7	DP-MF7	X-F7	LS-F7	H60-0343-04
UD-503	A-F5	C-F5	DP-F7	X-F5	LS-F5	--
UD-553	A-F5	C-F5	DP-MF7	X-F5	LS-F5	H60-0309-04 (K) / H60-0308-04 (PR)
UD-613	A-F5	C-F5	DP-F7	X-F5	LS-F5	H60-0305-04
UD-663	A-F5	C-F5	DP-MF7	X-F5	LS-F5	H60-0344-04

CONTROLS


Except for U.S.A., Canada, Europe, U.K. and Australia
ECHO indicator
SURROUND indicator
3 STEREO indicator
For Europe and U.K. only
RDS indicator
AUTO indicator
TUNED indicator
STEREO reception indicator
MEMORY indicator
Timer Program indicators
SLEEP timer indicator
Equalizer curve/ spectrum analyzer display
RDS
SURROUND
3 STEREO
PRESENCE
EQ. ON
FM
AM
ECHO
AUTO
TUNED
STEREO
MEMORY
PROG. 1 2
SLEEP
ms
dB
kHz
MHz
PRESENCE indicator
EQ.ON indicator
Frequency band indicators
Character information display
Display
KENWOOD TUNER /SURROUND PROCESSOR
DOLBY SURROUND PRO · LOGIC
TUNING
DOWN
UP
CENTER MODE
DOLBY PRO LOGIC
DOLBY 3 STEREO
OFF
PRESENCE
BAND
AUTO
DISPLAY
PRESET EQ
DEMO
DIGITAL ECHO
MIC MIXING
MIC 1
MIC 2
⓮
⓭
⓬
⓫
❶
❷
❸
❹
❺
❻
❼
❽
❾
❿

For U.K. only	For U.S.A., Canada, Europe, and Australia
FM MW LW	FM AM

For Europe and U.K. only

Figure "0" is displayed as "0".
Alphabet "S" is displayed as "5".

DIGITAL ECHO key

Press to apply echo to the microphone input sound.

Except for U.S.A., Canada, Europe, U.K., and Australia

❶ **MIC MIXING control**
Turn to adjust the microphone input volume.

❷ **MIC 1 jack**

❸ **MIC 2 jack**

❹ **DISPLAY key**
Press to change over the display contents.

❺ **PRESET EQ. key**
Press to apply an equalizer pattern matching the category of the music being played.

❻ **DEMO key**
Press to start demonstration.

❼ **PRESENCE key**
Press for presence play.

❽ **BAND key**
Press to select the required frequency band.

❾ **AUTO key**
Press to receive stations in auto tuning mode.

❿ **TUNING knob**
Press to select the station to be received.

⓫ **OFF key**
Press to switch the surround and presence modes OFF.

⓬ **DOLBY 3 STEREO key**
Used in adjustment of or playback in the Dolby 3 Stereo mode.

⓭ **DOLBY PRO LOGIC key**
Used in adjustment of or playback in the Dolby Pro Logic mode.

⓮ **CENTER MODE key**
Used in adjustment of or playback in the Dolby 3 Stereo or Dolby Pro Logic mode.

REMOTE CONTROL UNIT

Input selector key
INPUT key: Press to select the component to be played.

Graphic equalizer operation keys
EQ.EFFECT: Press to select a graphic equalizer effect.
PRESENCE: Press to select a presence effect.

Cassette deck operation keys
To operate deck A, set the A/B switch to A. (The ● keys are invalidated.)
To operate deck B, set the A/B switch to B.

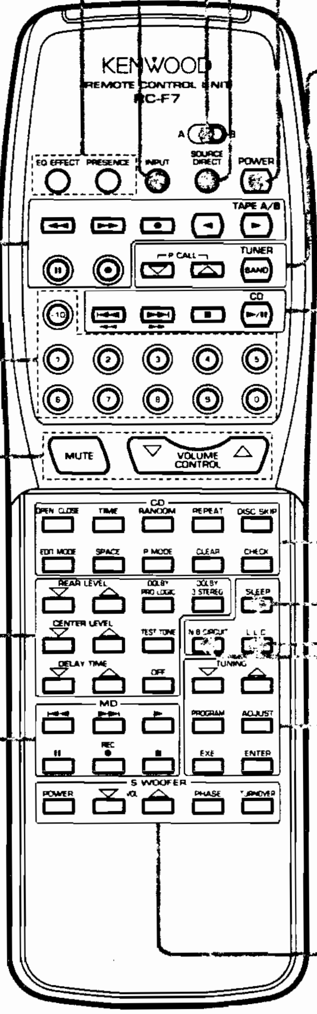
Numeric keys
Function as the numeric keys of the CD player when the CD input is selected.
Function as the numeric keys of the tuner when the TUNER input is selected.

VOLUME CONTROL keys
Press to adjust the volume.

MUTE key
Press to mute the sound temporarily.

Surround effect keys
REAR LEVEL keys, DOLBY PRO LOGIC key, DOLBY 3 STEREO key, CENTER LEVEL keys, TEST TONE key, DELAY TIME keys, OFF key

MD recorder operation keys
⏮ and ⏭ keys, ▶ key, ● REC key, ❚❚ key, ■ key,
Use these keys to operate a MD (Mini Disc) recorder (optional).


KENWOOD
REMOTE CONTROL UNIT
RC-F7
A
B
EQ EFFECT
PRESENCE
INPUT
SOURCE DIRECT
POWER
TAPE A/B
P.CALL
TUNER
BAND
CD
+10
1
2
3
4
5
6
7
8
9
0
MUTE
VOLUME CONTROL
OPEN CLOSE
TIME
CD RANDOM
REPEAT
DISC SKIP
EDIT MODE
SPACE
P.MODE
CLEAR
CHECK
REAR LEVEL
DOLBY PRO LOGIC
DOLBY 3 STEREO
SLEEP
CENTER LEVEL
TEST TONE
N.B.CIRCUIT
L.L.C.
DELAY TIME
OFF
TUNING
MD
PROGRAM
ADJUST
REC
EXE
ENTER
S.WOOFER
POWER
VOL
PHASE
TURNOVER

A/B switch
When operating keys in sections hashed ⬚ , set this switch according to the deck (A or B) you want to remote control.

- ● With keys which have two names, one printed in white and the other printed in brown, they function as indicated with the brown letters when the A/B switch is set to A and as indicated with the white letters when the switch is set to B.

SOURCE DIRECT key

POWER key

Tuner operation keys
BAND key, P.CALL keys

CD player basic operation keys
⏮ and ⏭ keys, ◀◀ and ▶▶ keys, ■ key, ▶/❚❚ key

CD player operation keys
OPEN/CLOSE key, TIME key, RANDOM key, REPEAT key, *DISC SKIP key, EDIT MODE key, SPACE key, P.MODE key, CLEAR key, CHECK key

SLEEP key

* The DISC SKIP key is for use with the UD-753 system

L.L.C. key

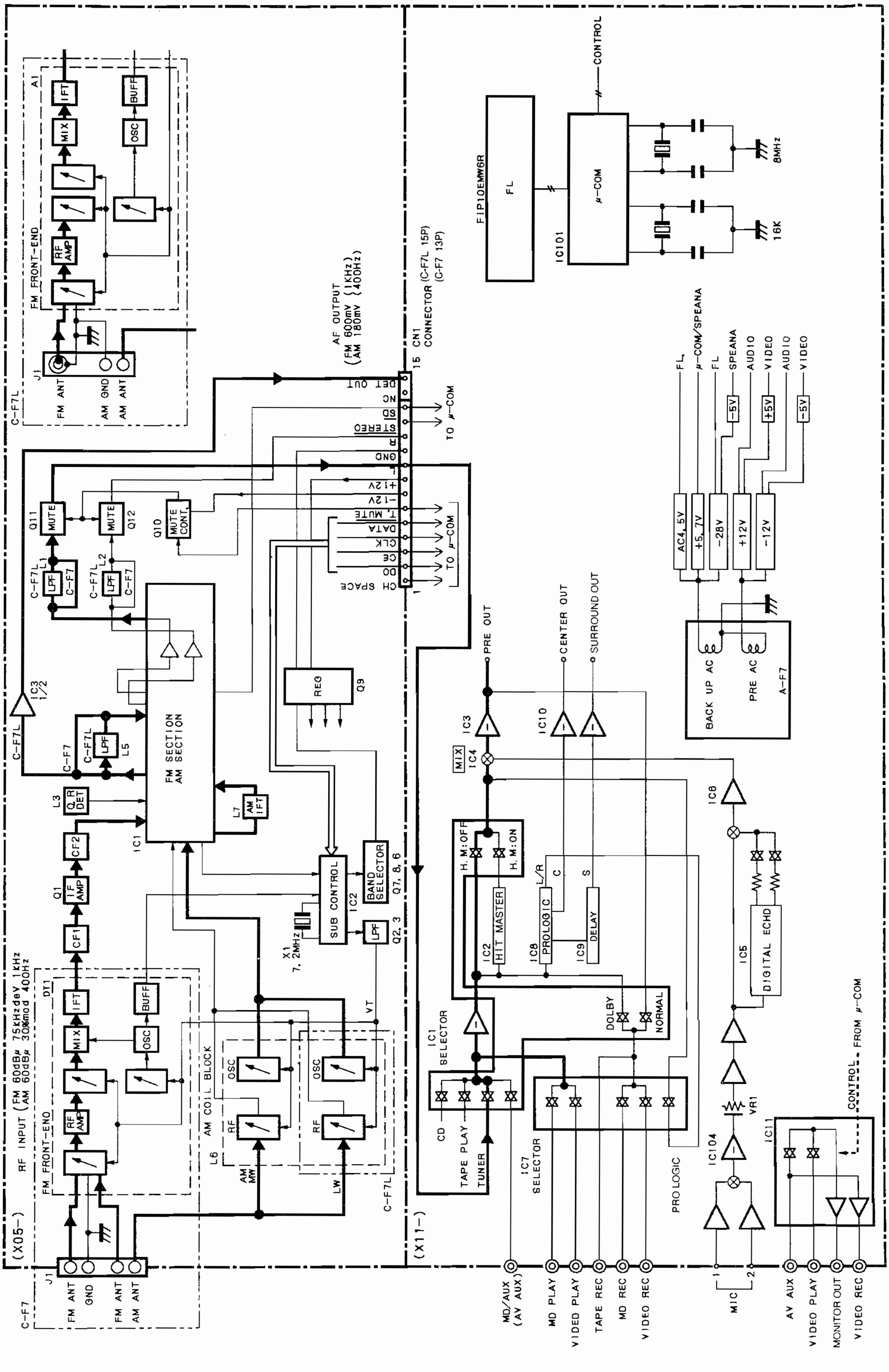
N.B.CIRCUIT key

Tuning/timer operation keys
TUNING keys, PROGRAM key, ADJUST key, ENTER key, EXE key

Super woofer keys
Use these keys to operate a super woofer (optional).
POWER key, VOL. keys, PHASE key, TURNOVER key.

Model: RC-F7
Infrared ray system

BLOCK DIAGRAM


C-F7L
J1
FM ANT
AM GND
AM ANT
FM FRONT-END
A1
RF AMP
MIX
IFT
OSC
BUFF
AF OUTPUT (FM 600mV (1kHz) / AM 180mV (400Hz))
CN1 CONNECTOR (C-F7L 15P) (C-F7 13P)
15
1
DET OUT
NC
SD
STEREO
R
GND
L
+12V
-12V
T. MUTE
DATA
CLK
CE
DO
CH SPACE
TO μ-COM
Q11 MUTE
Q12 MUTE
Q10 MUTE CONT.
C-F7L L1 LPF C-F7
C-F7L L2 LPF C-F7
IC3 1/2
C-F7L
C-F7
L5 LPF
L3 Q.R DET
FM SECTION AM SECTION
IC1
L7 AM IFT
REG
Q9
SUB CONTROL IC2
BAND SELECTOR Q7, 8, 6
LPF Q2, 3
X1 7.2MHz
VT
Q1 IF AMP
CF1
CF2
DT1
RF INPUT (FM 60dBμ 75kHzdev 1kHz / AM 60dBμ 30%mod 400Hz)
AM COIL BLOCK
L6
RF
AM MW
LW
(X05-)
C-F7
GND
FM ANT
AM ANT
(X11-)
FL
FIP10EMW6R
μ-COM
IC101
CONTROL
8MHz
16K
FL
μ-COM/SPEANA
SPEANA
AUDIO
VIDEO
-5V
+5V
AC4.5V
+5.7V
-28V
+12V
-12V
BACK UP AC
PRE AC
A-F7
PRE OUT
CENTER OUT
SURROUND OUT
IC3
IC10
MIX IC4
IC6
H. M:OFF
H. M:ON
IC2 HIT MASTER
IC8 PROLOGIC
L/R
C
S
IC9 DELAY
IC5 DIGITAL ECHO
DOLBY
NORMAL
IC1 SELECTOR
CD
TAPE PLAY
TUNER
IC7 SELECTOR
PRO LOGIC
VR1
IC104
IC11
CONTROL FROM μ-COM
MD/AUX (AV AUX)
MD PLAY
VIDEO PLAY
TAPE REC
MD REC
VIDEO REC
MIC
1
2
AV AUX
VIDEO PLAY
MONITOR OUT
VIDEO REC

CIRCUIT DESCRIPTION

For Pre Tuner µ-com CXP82440A-116Q , Initial status and Back-up , refer to the Service Manual of C-F5.

1. Test mode

1-1. Initial setting

- When AC power cord is plugged while pressing the AUTO key, equipment is initialized.

1-2. Test mode with the main unit keys

(1) Setting procedure

While pressing the BAND key, plug the AC power cord to the power outlet.

(2) Cancellation

Unplug the AC power cord. The initial setting will take effect and the test mode will be canceled.

(3) Description

1. Auto POWER ON

- When AC power cord is plugged while pressing the BAND key, the POWER will turn ON and all function will be at the initial setting.(Input selector = TUNER)

2. ALL LED ON mode

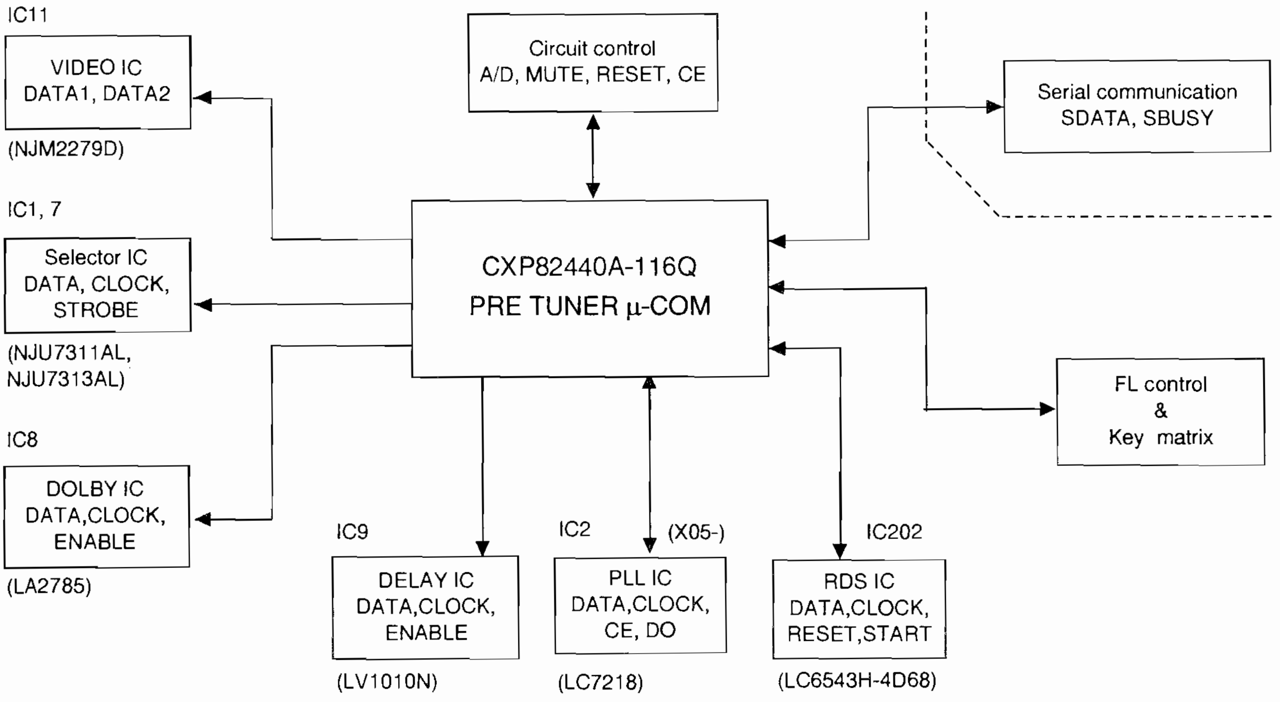
- When the AC power cord is plugged while pressing the BAND key, all the LEDs will turn ON.
- When some main unit key is pressed, ALL LED ON mode will be canceled and all function will return the LEDs to normal.

3. Others

- The operation of main unit keys and remote controller keys during the test mode, refer to the table .
- The MUTE function does not work during the test mode. (When POWER ON , MUTE is effective.)
- Test mode is not canceled when the input selector is moved TUNER to another source.

Key	Description	
	Selector : TUNER	Selector : Except for TUNER
1. BAND	Normal operation	CENTER LEVEL Min → Center → Max
2. DIGITAL ECHO	ECHO OFF → ECHO ON → ECHO OFF MUTE OFF MUTEOFF MUTE ON	
3. PRESENCE	P.CALL DOWN	Normal operation
4. PRESET EQ.	P.CALL UP	Normal operation
5. DOLBY PRO LOGIC	15ms → 20ms → 30ms (in the DOLBY PRO LOGIC mode)	
6. DOLBY 3 STEREO	Normal operation	
7. DOLBY OFF	Normal operation	
8. DEMO	TUNER →TAPE→ MD→ VIDEO 1→ VIDE 2/AUX→ CD	
9. TUNING UP/DOWN	Normal operation	
10. AUTO	Normal operation	REAR LEVEL Min →Center → Max
11. CENTER MODE	Normal operation	
12. DISPLAY	Normal operation	ALL LED ON ↔OFF

2. Block diagram


IC11
VIDEO IC
DATA1, DATA2
(NJM2279D)
IC1, 7
Selector IC
DATA, CLOCK, STROBE
(NJU7311AL, NJU7313AL)
IC8
DOLBY IC
DATA,CLOCK, ENABLE
(LA2785)
Circuit control
A/D, MUTE, RESET, CE
CXP82440A-116Q
PRE TUNER µ-COM
Serial communication
SDATA, SBUSY
FL control
&
Key matrix
IC9
DELAY IC
DATA,CLOCK, ENABLE
(LV1010N)
IC2
(X05-)
PLL IC
DATA,CLOCK, CE, DO
(LC7218)
IC202
RDS IC
DATA,CLOCK, RESET,START
(LC6543H-4D68)

ADJUSTMENT/AJUSTES

X05-4532-7X(E,T,G type)

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTNIG	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION SELECTOR : FM							
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±40kHz dev 60dBμ(ANT input)	Connect a DC voltmeter between TP3 and TP4. (X05-)	AUTO or MONO 98.0MHz	L3 (X05-)	0V	(a)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±40kHz dev Pilot : ±6kHz dev. 60dBμ(ANT input)	(B) Lch-out : W35 Rch-out : W40	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	

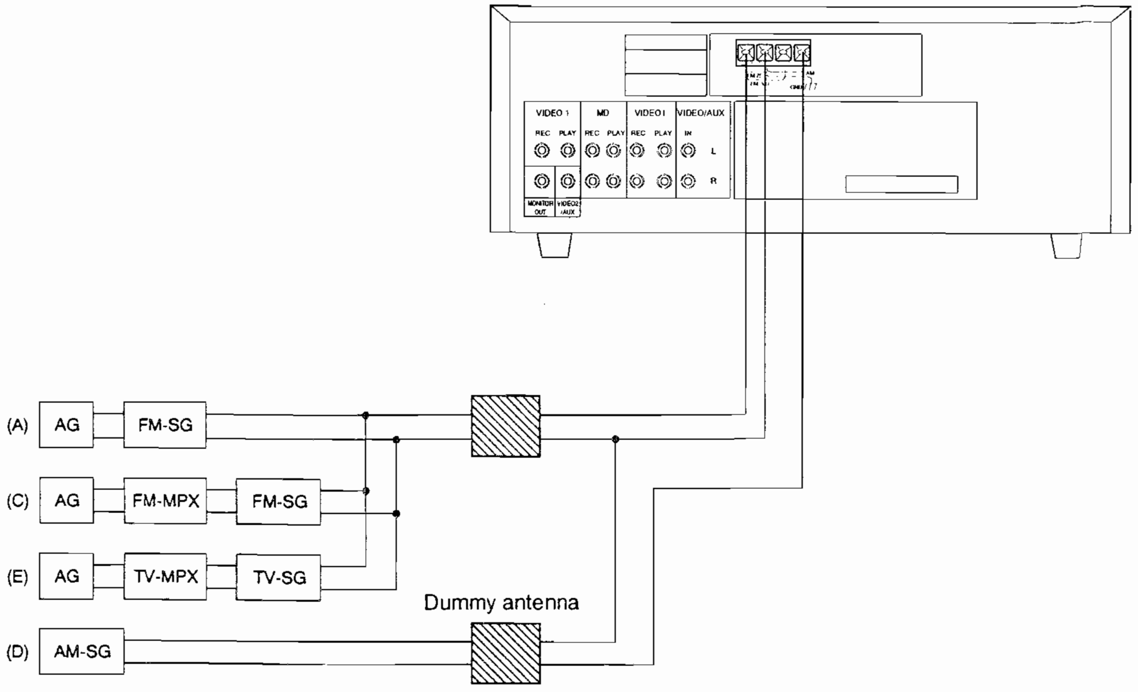
X05-446XX-XX(ENGLISH) (Other countries)

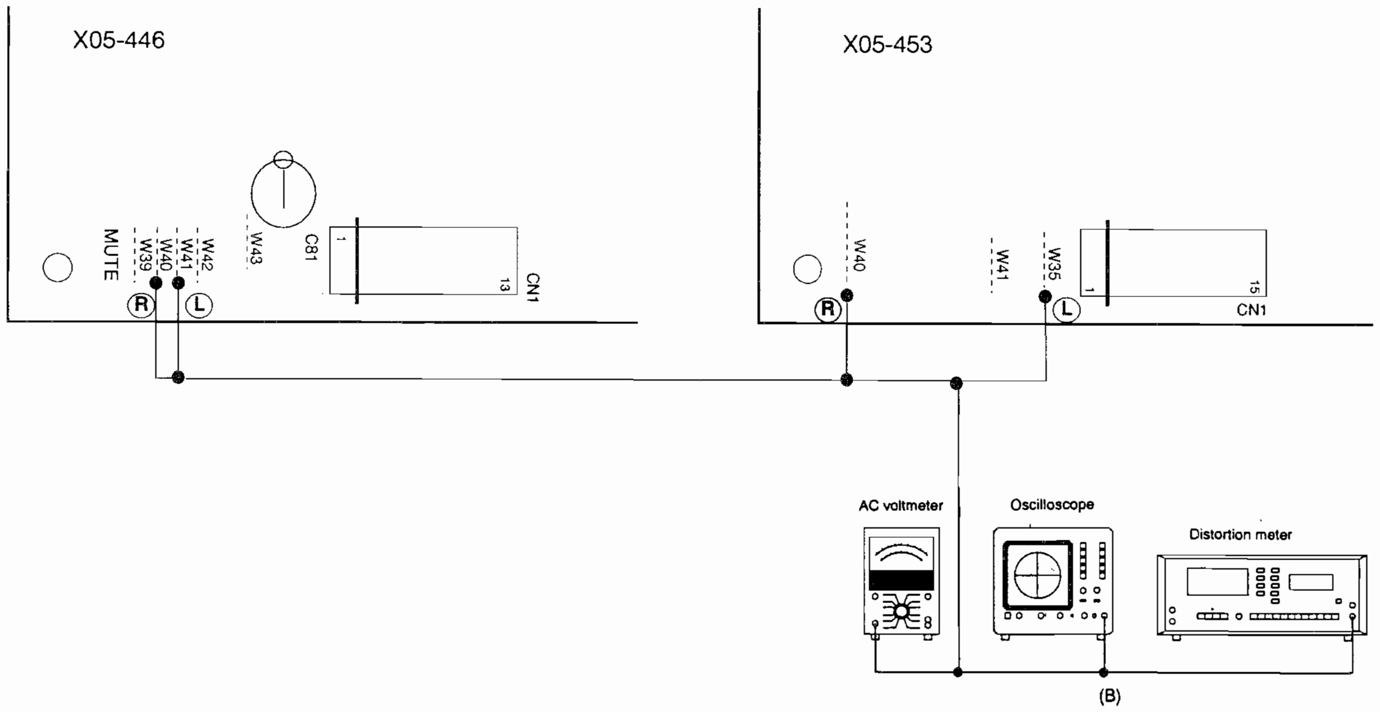
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTNIG	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION Unless otherwise specified, the individual switches should be set as following : BAND : FM							
1	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±67.5kHz dev Selector : L or R 60dBμ(ANT input)	(B) Lch-out : W41 Rch-out : W40	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	

X05-446XX-XX(ESPANÕL)

N.º	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE ALINEACIÕN	ALINEACIÕN PARA	FIG.
SECCIÕN DE FM A menos que se especifique otra cosa, los controles individuales debrerán ajustarse de la forma siguiente : BAND : FM							
1	DISTORTIÓN (ESTÉREO)	(C) 98,0MHz 1kHz, ±67,5kHz des Selector : L o R 60dBμ(entrada de ANT)	(B) Salida de L : W41 Salida de R : W40	AUTO 98,0MHz	IFT (W02-)	Distorsión mínima.	

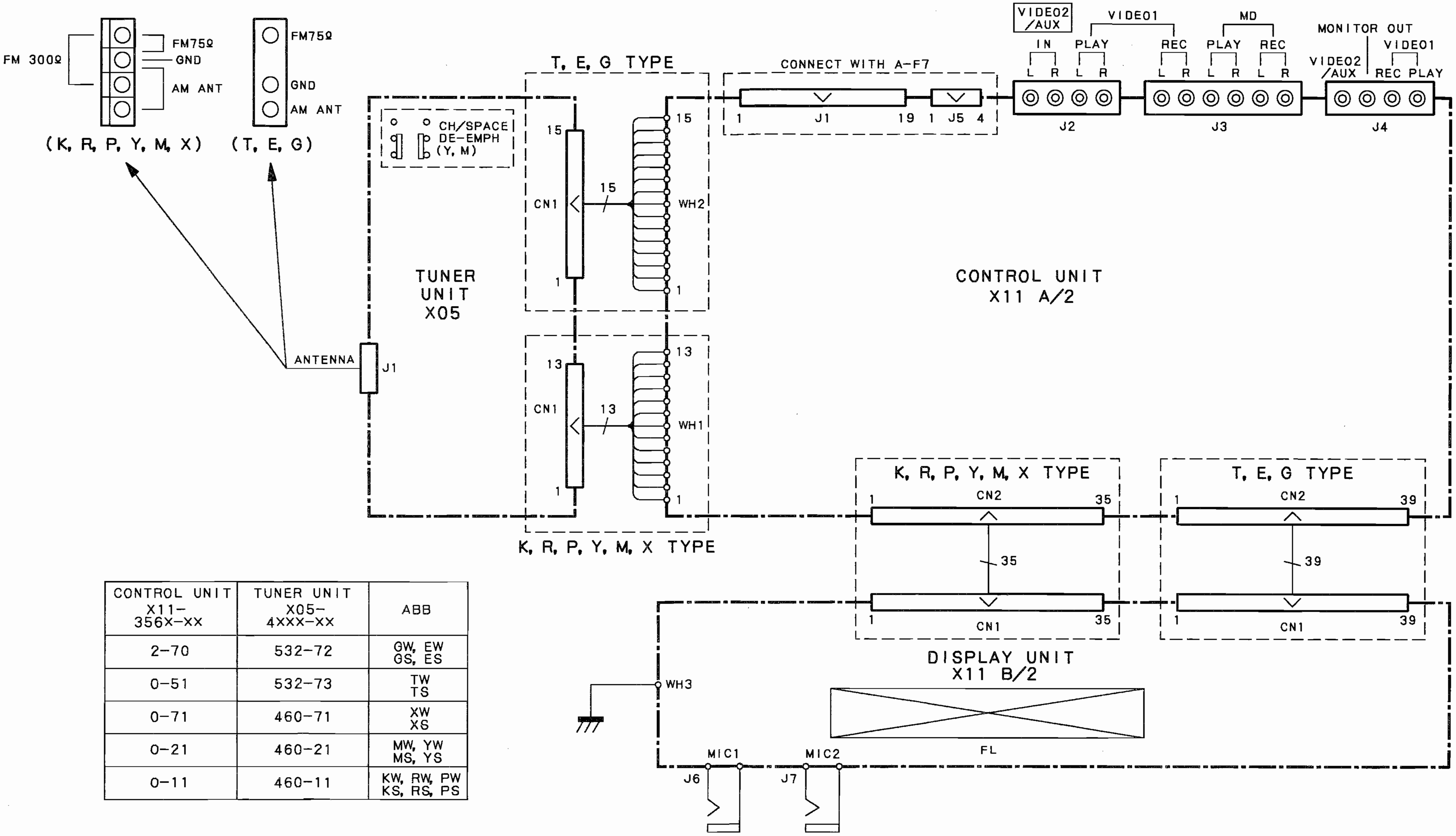
ADJUSTMENT


VIDEO 1
MD
VIDEO I
VIDEO/AUX
REC
PLAY
IN
L
R
MONITOR OUT
VIDEO2 /AUX
(A)
AG
FM-SG
(C)
AG
FM-MPX
FM-SG
(E)
AG
TV-MPX
TV-SG
(D)
AM-SG
Dummy antenna


X05-446
MUTE
W39
W40
W41
W42
W43
C81
1
13
CN1
R
L
X05-453
W40
W41
W35
1
15
CN1
R
L
AC voltmeter
Oscilloscope
Distortion meter
(B)

C-F7/L C-F7/L

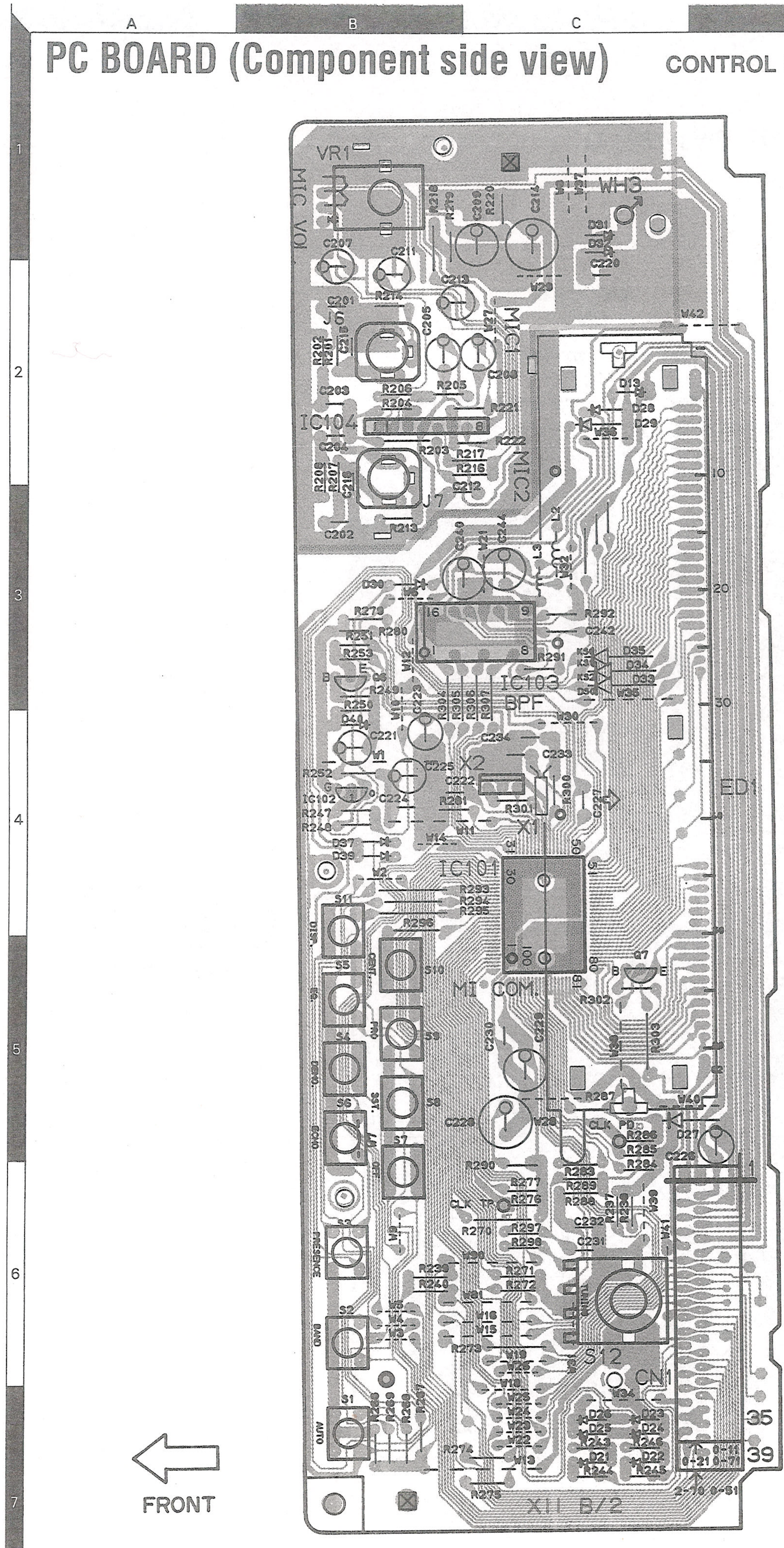
WIRING DIAGRAM


FM 300Ω
FM75Ω
GND
AM ANT
(K, R, P, Y, M, X)
FM75Ω
GND
AM ANT
(T, E, G)
ANTENNA
J1
CH/SPACE
DE-EMPH
(Y, M)
TUNER
UNIT
X05
T, E, G TYPE
15
CN1
15
WH2
15
1
1
13
CN1
13
WH1
13
1
1
K, R, P, Y, M, X TYPE
CONNECT WITH A-F7
1
J1
19
1
J5
4
VIDEO2
/AUX
IN
L R
VIDEO1
PLAY
L R
J2
REC
L R
MD
PLAY
L R
REC
L R
J3
MONITOR OUT
VIDEO2
/AUX
VIDEO1
REC PLAY
J4
CONTROL UNIT
X11 A/2
K, R, P, Y, M, X TYPE
1
CN2
35
35
1
CN1
35
T, E, G TYPE
1
CN2
39
39
1
CN1
39
DISPLAY UNIT
X11 B/2
WH3
FL
MIC1
MIC2
J6
J7

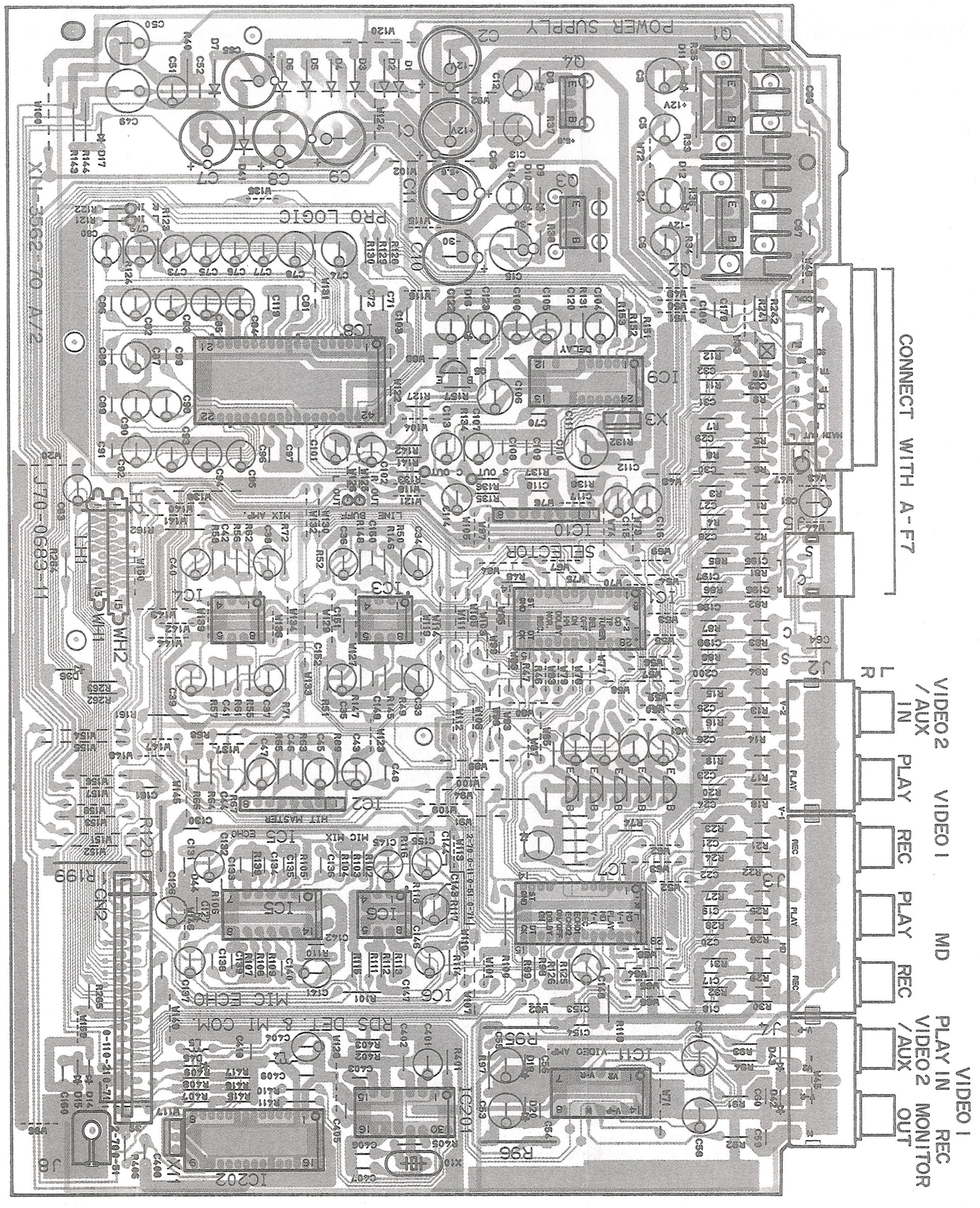
CONTROL UNIT X11-356X-XX	TUNER UNIT X05-4XXX-XX	ABB
2-70	532-72	GW, EW GS, ES
0-51	532-73	TW TS
0-71	460-71	XW XS
0-21	460-21	MW, YW MS, YS
0-11	460-11	KW, RW, PW KS, RS, PS

PC BOARD (Component side view)

CONTROL UNIT (X11-3562-70 : E,G ; 0-51 : T ; 0-71 :X ; 0-21 : Y,M ; 0-11 : K,R,P)



A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
VR1
MIC VOL
WH3
MIC1
MIC2
IC104
IC103
BPF
X2
IC102
IC101
MI COM
ED1
S12
CN1
35
39
X11 B/2
FRONT

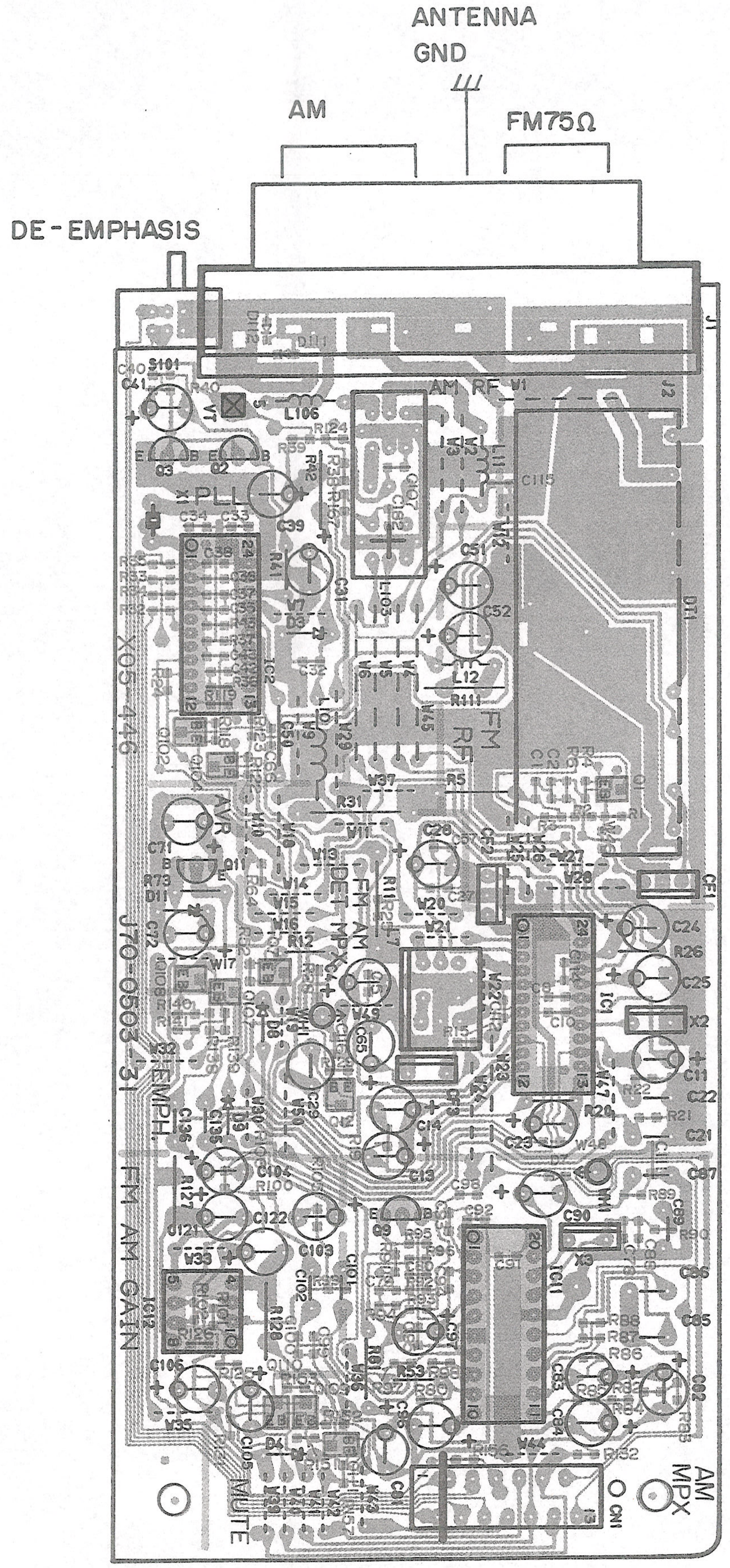


POWER SUPPLY
PRO LOGIC
X11-3562-70 A/2
J70-0683-11
IC8
IC9
DELAY
X3
IC10
SELECTOR
IC3
IC4
IC2
MII MASTER
IC5
IC6
IC7
MIC ECHO
RDS DET & MI COM
IC11
VIDEO AMP
IC201
IC202
X11
CN2
WH1
WH2
R120
R96
CONNECT WITH A-F7
L
R
VIDEO2 /AUX IN
PLAY
VIDEO1
REC
PLAY
MD
REC
PLAY IN VIDEO2 /AUX
VIDEO1 REC
MONITOR OUT

Refer to the schematic diagram for the values of resistors and capacitors.

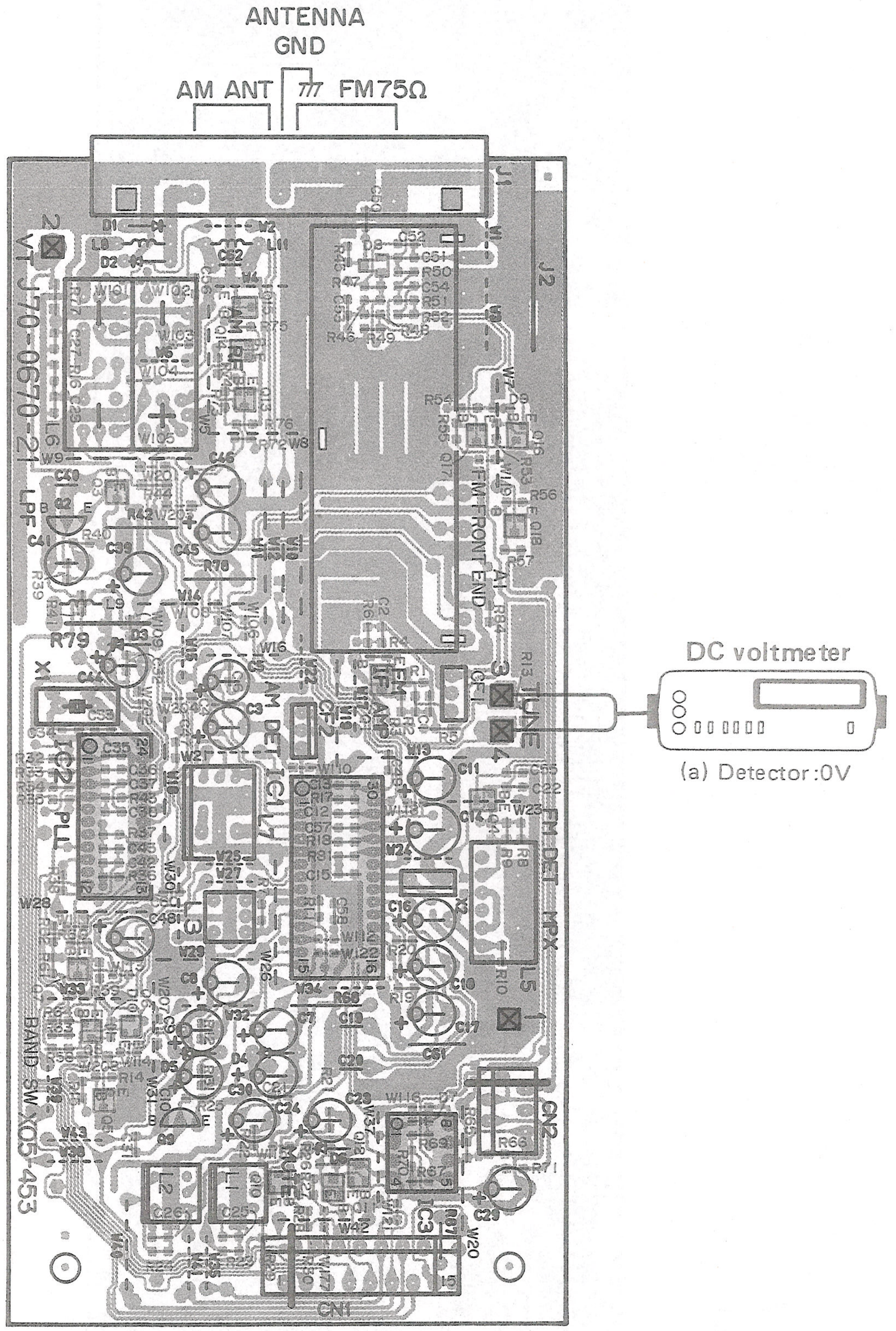
PC BOARD (Component side view)

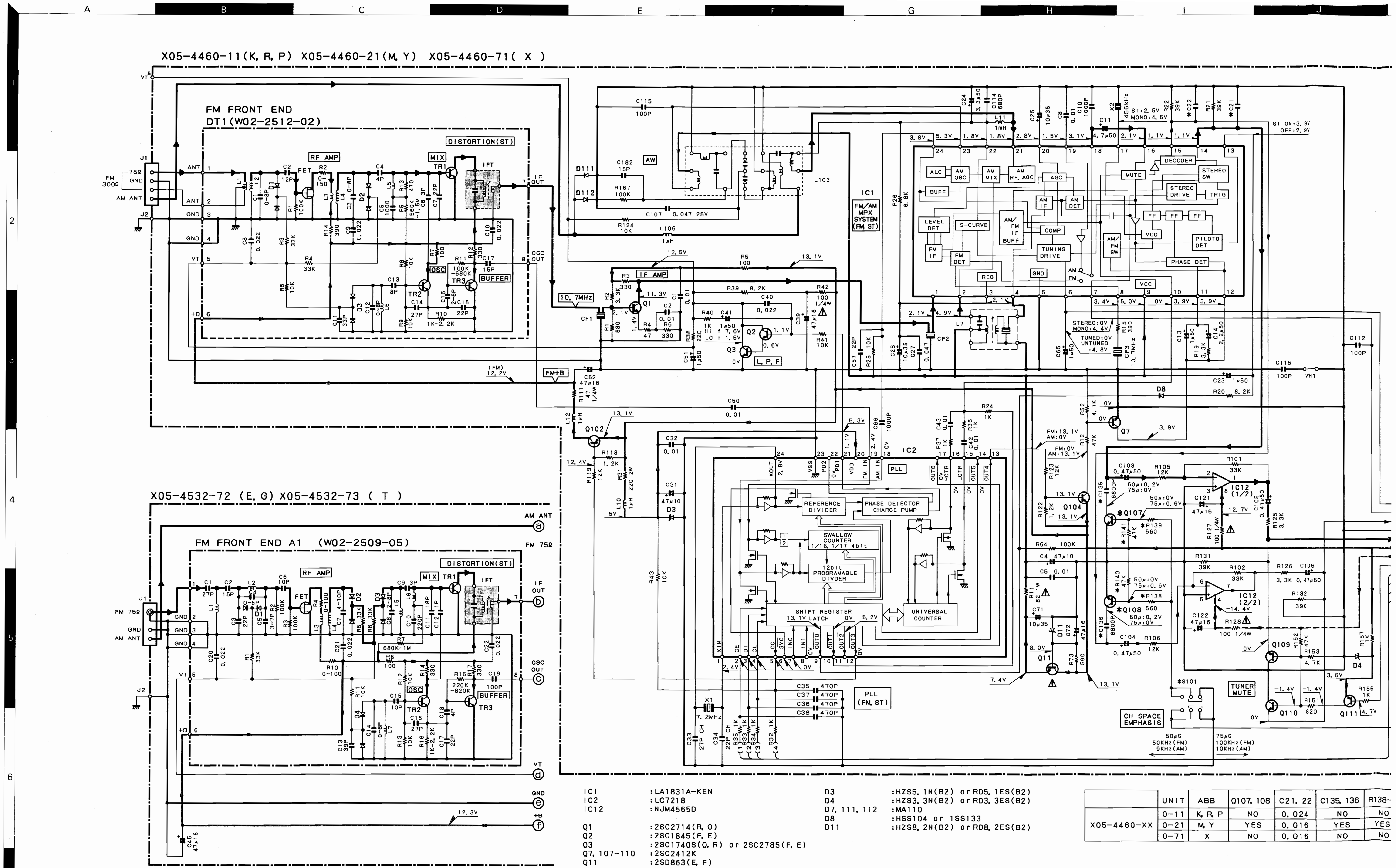
TUNER UNIT (X05-4460-71 :X ; 0-21 : M,Y ;0-11 : K,R,P)


ANTENNA
GND
AM
FM75Ω
DE-EMPHASIS
AM RF
FM RF
X05-446
J70-0503-31
DET MPX
AVR
EMPH.
FM AM GAIN
MUTE
AM MPX

Refer to the schematic diagram for the values of resistors and capacitors.

TUNER UNIT (X05-4532-72 :G,E ; 2-73 : T)


ANTENNA
GND
AM ANT
FM75Ω
VT J70-0670-21
FM FRONT END
AM RF
AM DET
TUNE
FM DET
MPX
PLL
LPF
BAND SW X05-453
MUTE
CN1
CN2
DC voltmeter
(a) Detector:0V


X05-4460-11(K, R, P) X05-4460-21(M, Y) X05-4460-71(X)
FM FRONT END
DT1(W02-2512-02)
RF AMP
MIX
DISTORTION(ST)
OSC
BUFFER
IF AMP
L. P. F
10. 7MHz
AW
IC1
FM/AM MPX SYSTEM (FM, ST)
ALC
AM OSC
AM MIX
AM RF, AGC
AGC
BUFF
AM IF
AM DET
LEVEL DET
S-CURVE
AM/FM IF BUFF
COMP
TUNING DRIVE
AM/FM SW
FM IF
FM DET
REG
GND
VCC
MUTE
DECODER
STEREO SW
STEREO DRIVE
TRIG
FF
VCO
PILOTO DET
PHASE DET
ST ON:3. 9V OFF:2. 9V
IC2
PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
PLL (FM, ST)
IC12 (1/2)
IC12 (2/2)
TUNER MUTE
CH SPACE EMPHASIS
50μS 50KHz(FM) 9KHz(AM)
75μS 100KHz(FM) 10KHz(AM)
X05-4532-72 (E, G) X05-4532-73 (T)
FM FRONT END A1 (W02-2509-05)
AM ANT
FM 75Ω
IF OUT
OSC OUT
VT
GND
+B
FM 300Ω
AM ANT

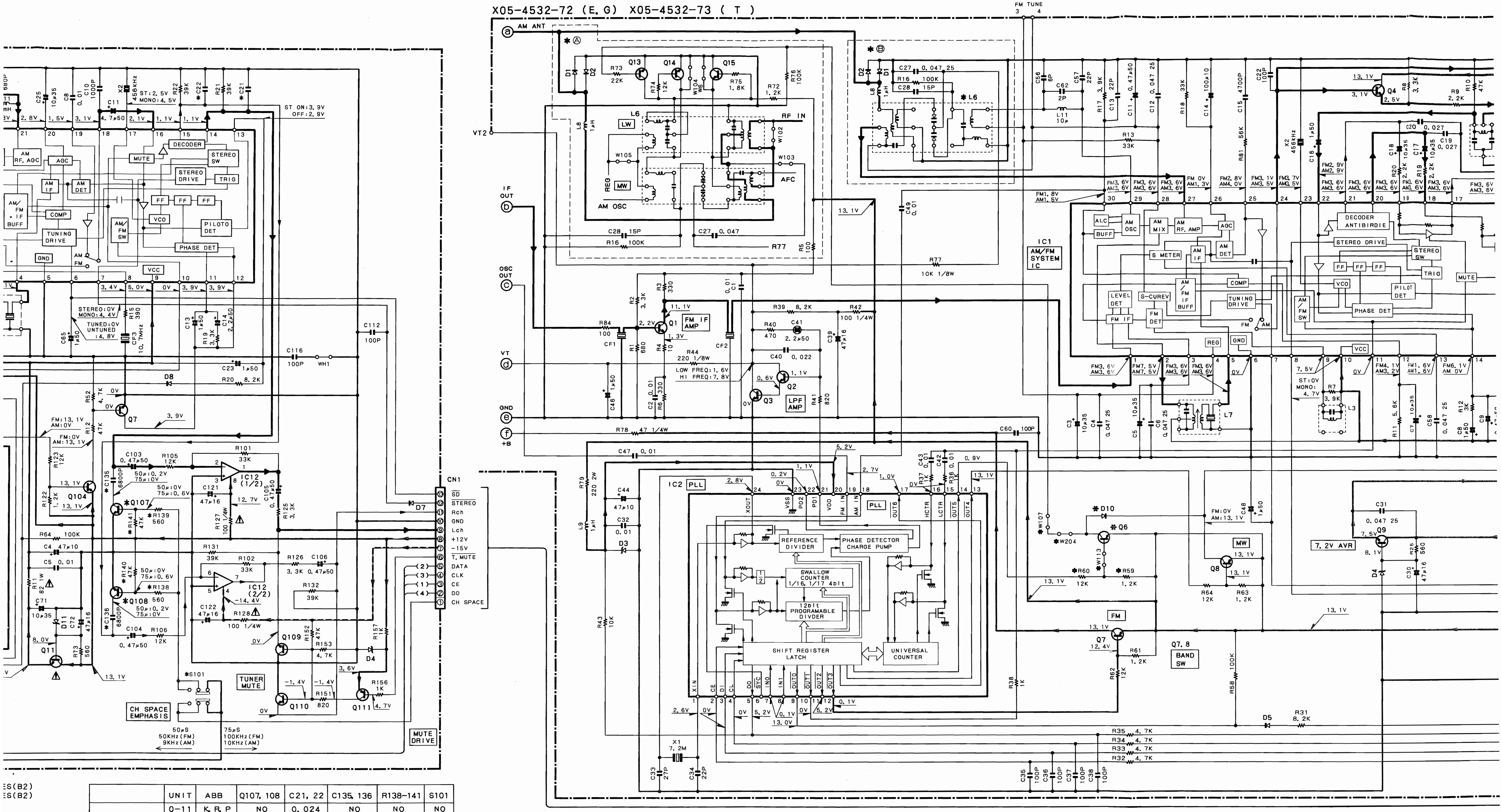
IC1 :LA1831A-KEN
IC2 :LC7218
IC12 :NJM4565D

Q1 :2SC2714(R, O)
Q2 :2SC1845(F, E)
Q3 :2SC1740S(Q, R) or 2SC2785(F, E)
Q7, 107~110 :2SC2412K
Q11 :2SD863(E, F)
Q102, 104, 111 :2SA1037K

D3 :HZS5. 1N(B2) or RD5. 1ES(B2)
D4 :HZS3. 3N(B2) or RD3. 3ES(B2)
D7, 111, 112 :MA110
D8 :HSS104 or 1SS133
D11 :HZS8. 2N(B2) or RD8. 2ES(B2)

	UNIT	ABB	Q107, 108	C21, 22	C135, 136	R138~
X05-4460-XX	0-11	K, R, P	NO	0. 024	NO	NO
	0-21	M, Y	YES	0. 016	YES	YES
	0-71	X	NO	0. 016	NO	NO

X05-4532-72 (E, G) X05-4532-73 (T)


AM ANT
FM TUNE
VT2
IF OUT
OSC OUT
VT
GND
+B
IC1 AM/FM SYSTEM IC
IC2 PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
FM IF AMP
LPF AMP
AM OSC
RF IN
AFC
LW
MW
REG
DECODER
MUTE
STEREO SW
STEREO DRIVE
TRIG
AM RF, AGC
AGC
AM IF
AM DET
COMP
TUNING DRIVE
VCO
PILOTO DET
PHASE DET
AM/FM SW
VCC
GND
IC12 (1/2)
IC12 (2/2)
CN1
SD
STEREO
Rch
GND
Lch
+12V
-15V
T. MUTE
DATA
CLK
CE
DO
CH SPACE
TUNER MUTE
CH SPACE EMPHASIS
MUTE DRIVE
50μS 50KHz(FM) 9KHz(AM)
75μS 100KHz(FM) 10KHz(AM)
7.2V AVR
BAND SW
DECODER ANTIBIRDIE
ALC
BUFF
AM MIX
AM RF. AMP
S METER
LEVEL DET
S-CUREV
FM IF
FM DET
X1 7.2M

ES(B2)
ES(B2)

ES(B2)

	UNIT	ABB	Q107, 108	C21, 22	C135, 136	R138~141	S101
X05-4460-XX	0-11	K, R, P	NO	0. 024	NO	NO	NO
	0-21	M, Y	YES	0. 016	YES	YES	YES
	0-71	X	NO	0. 016	NO	NO	NO

ICI	:LA1836	Q1	:2SC2714(R, O)
IC2	:LC7218	Q2	:2SC1845(F, E)
IC3	:M5223P	Q3, 4, 5, 13~15	:2SC4081(R, S)
		Q6, 7, 8, 10	:2SA1576(R, S)
		Q9	:2SD863(E, F)
		Q11, 12	:2SD1757K

D1, 2, 5	:1SS133 or HSS104
D3	:MTZJ5. 1(B) or RD5. 1ES(B2)
D4	:MTZJ8. 2(B) or RD8. 2ES(B2)
D6	:MTZJ3. 3(B) or RD3. 3ES(B2)
D10	:MA110

	UNIT	ABB		L6	Q6	D10	R59, 60	W107, 113, 204
X05-453X-7X	2-72	E, G	Ⓑ	L39-1328	NO	NO	NO	NO
	2-73	T	Ⓐ	L39-1325	YES	YES	YES	YES

CATION : For continued safety, replace safety crytical components only with manufacturer's recommended parts (refer to pars list). ⚠ indicates safety crytical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

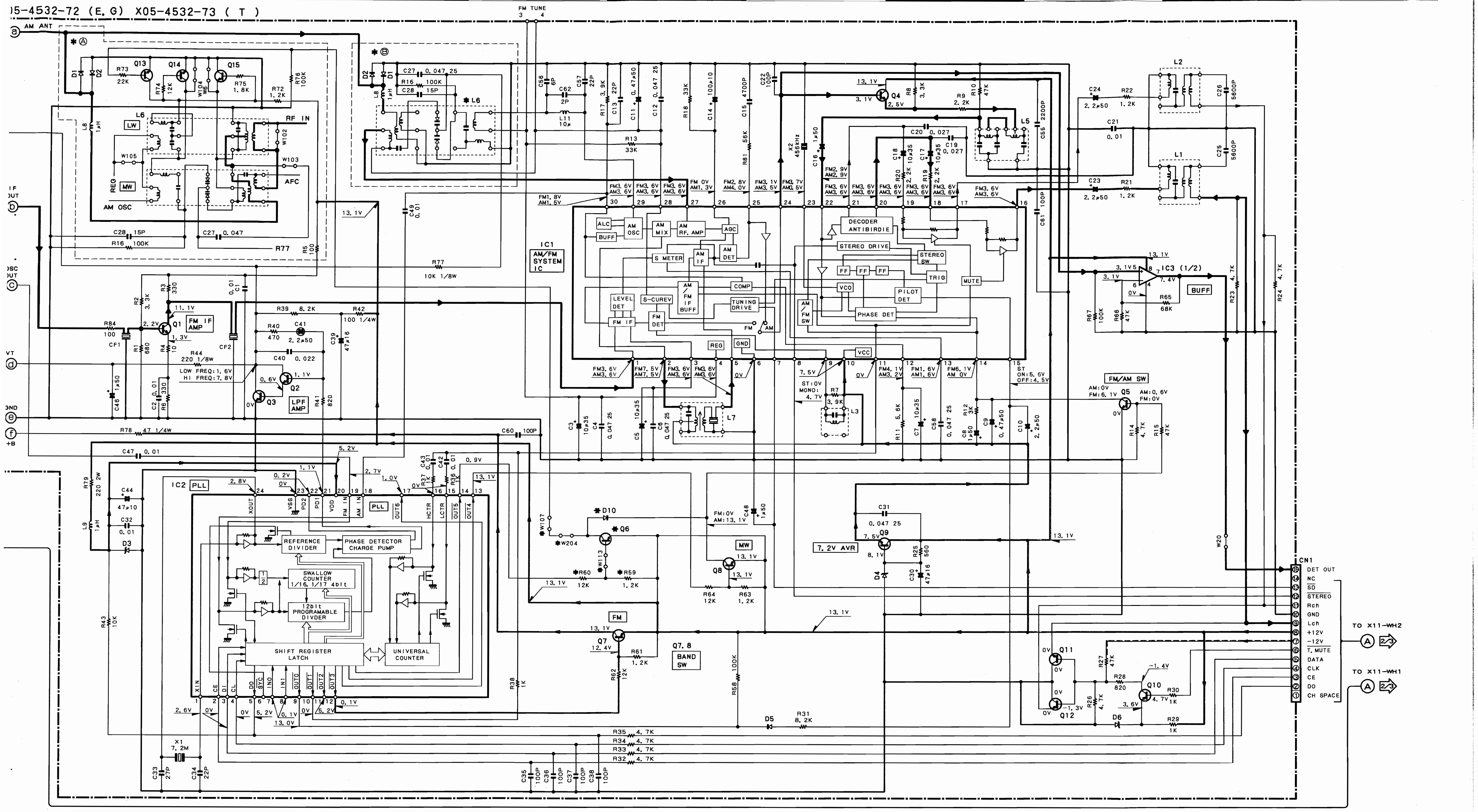
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.

Dolby noise reduction
manufactured under licen
ing Corporation. HX Pr
"DOLBY", the double-D
marks of Dolby Laborator

)5-4532-72 (E. G) X05-4532-73 (T)



FM TUNE
AM ANT
IF OUT
OSC OUT
VT
GND
+B
RF IN
AFC
AM OSC
LW
MW
REG
IC1 AM/FM SYSTEM IC
ALC
BUFF
AM OSC
AM MIX
AM RF. AMP
AGC
S METER
AM IF
AM DET
DECODER ANTIBIRDIE
STEREO DRIVE
STEREO SW
TRIG
MUTE
FF
VCO
PILOT DET
PHASE DET
LEVEL DET
S-CURVE
FM IF BUFF
COMP
TUNING DRIVE
FM IF
FM DET
AM FM SW
REG
GND
VCC
FM IF AMP
LPF AMP
IC3 (1/2)
BUFF
FM/AM SW
IC2 PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
7. 2V AVR
MW
FM
Q7, 8 BAND SW
CN1
DET OUT
NC
SD
STEREO
Rch
GND
Lch
+12V
-12V
T. MUTE
DATA
CLK
CE
DO
CH SPACE
TO X11-WH2
TO X11-WH1

IC1	:LA1836
IC2	:LC7218
IC3	:M5223P

Q1	:2SC2714(R, O)
Q2	:2SC1845(F, E)
Q3, 4, 5, 13~15	:2SC4081(R, S)
Q6, 7, 8, 10	:2SA1576(R, S)
Q9	:2SD863(E, F)
Q11, 12	:2SD1757K

D1, 2, 5	:1SS133 or HSS104
D3	:MTZJ5. 1(B) or RD5. 1ES(B2)
D4	:MTZJ8. 2(B) or RD8. 2ES(B2)
D6	:MTZJ3. 3(B) or RD3. 3ES(B2)
D10	:MA110

	UNIT	ABB		L6	Q6	D10	R59, 60	W107, 113, 204
X05-453X-7X	2-72	E, G	Ⓑ	L39-1328	NO	NO	NO	NO
	2-73	T	Ⓐ	L39-1325	YES	YES	YES	YES

SIGNAL LINE
GND LINE
+B LINE
-B LINE

CATION : For continued safety, replace safety crytical components only with manufacturer's recommended parts (refer to pars list). ⚠ indicates safety crytical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.

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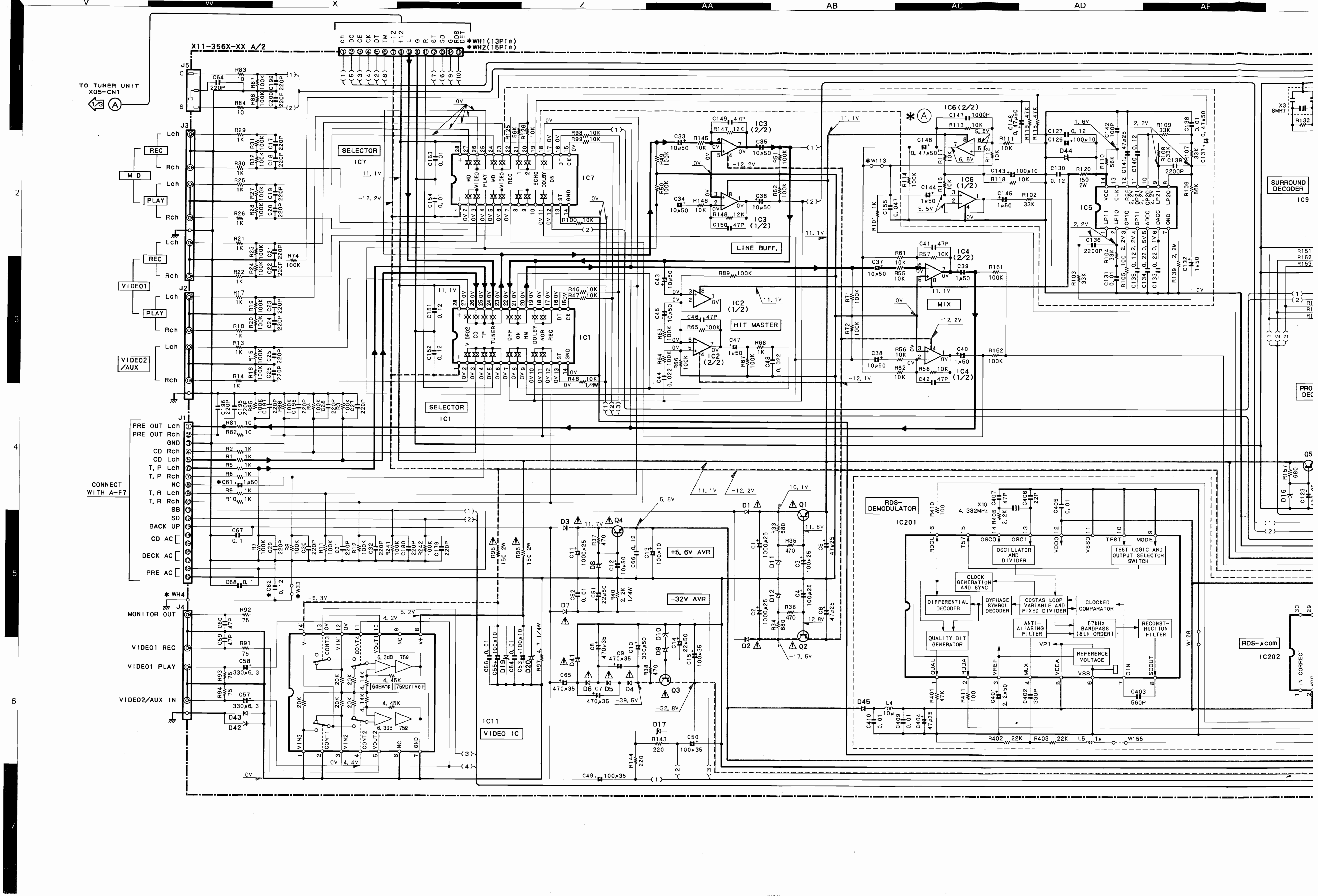
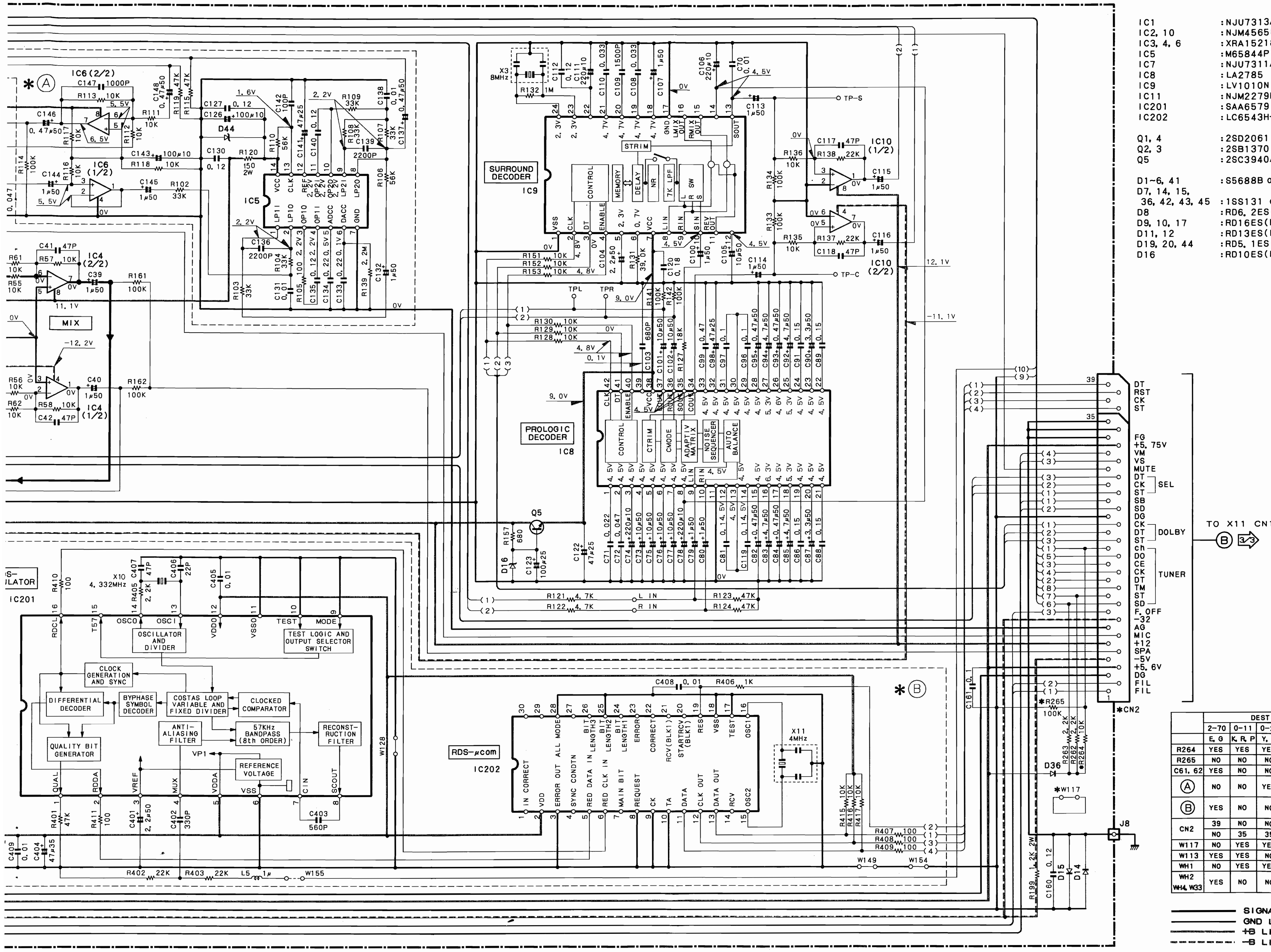
C-F7/L

KENWOOD


V
W
X
Y
Z
AA
AB
AC
AD
AE
1
2
3
4
5
6
7
X11-356X-XX A/2
TO TUNER UNIT
X05-CN1
A
ch
DO
CE
CK
DT
TM
-12
+12
L
G
R
ST
SD
G
RDS DET
＊WH1(13Pin)
＊WH2(15Pin)
J5
J3
J2
J1
J4
REC
M D
PLAY
VIDEO1
VIDEO2 /AUX
Lch
Rch
SELECTOR
IC7
IC1
MD
VIDEO
PLAY
REC
ECHO
DOLBY
ON
VIDEO2
CD
TP
TUNER
OFF
HM
NOR
ST
GND
DT
CK
IC3 (2/2)
IC3 (1/2)
LINE BUFF.
IC2 (1/2)
IC2 (2/2)
HIT MASTER
＊Ⓐ
IC6(2/2)
IC6 (1/2)
IC4 (2/2)
IC4 (1/2)
MIX
IC5
VCC
CLK
REF
OP20
LP20
LP11
LP10
OP10
OP11
ADCC
DACC
GND
SURROUND DECODER
IC9
X3 8MHz
PRO
DEC
PRE OUT Lch
PRE OUT Rch
GND
CD Rch
CD Lch
T.P Lch
T.P Rch
NC
T.R Lch
T.R Rch
SB
SD
BACK UP
CD AC
DECK AC
PRE AC
CONNECT WITH A-F7
＊WH4
MONITOR OUT
VIDEO1 REC
VIDEO1 PLAY
VIDEO2/AUX IN
＊W33
11.1V
-12.2V
-5.3V
4.2V
5.2V
5.5V
16.1V
11.8V
-17.5V
-12.8V
-39.5V
-32.8V
11.7V
+5.6V AVR
-32V AVR
Q1
Q2
Q3
Q4
Q5
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D16
D17
D19
D20
D41
D42
D43
D44
D45
V-
CONT3
VIN1
CONT4
VOUT1
NC
V+
VIN3
CONT1
VIN2
CONT2
VOUT2
6.3dB
75Ω
6dBAmp
75ΩDriver
4.45K
4.14K
20K
IC11
VIDEO IC
RDS-DEMODULATOR
IC201
X10 4.332MHz
RDCL
TEST
OSCO
OSCI
VDDD
VSSD
MODE
OSCILLATOR AND DIVIDER
TEST LOGIC AND OUTPUT SELECTOR SWITCH
CLOCK GENERATION AND SYNC
DIFFERENTIAL DECODER
BYPHASE SYMBOL DECODER
COSTAS LOOP VARIABLE AND FIXED DIVIDER
CLOCKED COMPARATOR
ANTI-ALIASING FILTER
57KHz BANDPASS (8th ORDER)
RECONST-RUCTION FILTER
QUALITY BIT GENERATOR
REFERENCE VOLTAGE
VP1
QUAL
RDDA
VREF
MUX
VDDA
VSS
CIN
SCOUT
L4
L5
W128
W113
W155
RDS-μcom
IC202
IN
CORRECT
R402 22K
R403 22K
C49 100μ35
C50 100μ35
R143 220
R144 220
R95 150 2W
R96 150 2W
R97 4.7 1/4W


*Ⓐ
IC6(2/2)
IC6 (1/2)
IC5
IC4 (2/2)
IC4 (1/2)
MIX
SURROUND DECODER
IC9
PROLOGIC DECODER
IC8
IC10 (1/2)
IC10 (2/2)
TP-S
TP-C
Q5
X3 8MHz
OSCILLATOR
IC201
OSCILLATOR AND DIVIDER
TEST LOGIC AND OUTPUT SELECTOR SWITCH
CLOCK GENERATION AND SYNC
DIFFERENTIAL DECODER
BYPHASE SYMBOL DECODER
COSTAS LOOP VARIABLE AND FIXED DIVIDER
CLOCKED COMPARATOR
ANTI-ALIASING FILTER
57KHz BANDPASS (8th ORDER)
RECONSTRUCTION FILTER
QUALITY BIT GENERATOR
REFERENCE VOLTAGE
X10 4.332MHz
RDS-μcom
IC202
X11 4MHz
*Ⓑ
*CN2
J8
TO X11 CN1
Ⓑ
DT RST CK ST
FG +5.75V VM VS MUTE
DT CK ST SEL
SB SD DG
CK DT ST DOLBY
ch DO CE CK DT TM ST SD TUNER
F.OFF -32 AG MIC +12 SPA -5V +5.6V DG FIL FIL

IC1 :NJU7313AL or TC9164N
IC2, 10 :NJM4565L-D
IC3, 4, 6 :XRA15218-DX or NJM4565D-D
IC5 :M65844P
IC7 :NJU7311AL or TC9162N
IC8 :LA2785
IC9 :LV1010N
IC11 :NJM2279D
IC201 :SAA6579
IC202 :LC6543H-4D68

Q1, 4 :2SD2061 or 2SD2012
Q2, 3 :2SB1370 or 2SB1375
Q5 :2SC3940A or 2SD863(E, F)

D1~6, 41 :S5688B or 1SR139-100
D7, 14, 15, 36, 42, 43, 45 :1SS131 or HSS104A
D8 :RD6.2ES(B2) or HZS6.2N(B2)
D9, 10, 17 :RD16ES(B2) or HZS16N(B2)
D11, 12 :RD13ES(B2) or HZS13N(B2)
D19, 20, 44 :RD5.1ES(B2) or HZS5.1N(B2)
D16 :RD10ES(B2) or HZS10N(B2)

	DESTINATION					
	2-70	0-11	0-21	0-71	0-51	
	E, G	K, R, P	Y, M	X	T	
R264	YES	YES	YES	NO	NO	DSW1-0
R265	NO	NO	NO	YES	YES	DSW1-1
C61, 62	YES	NO	NO	NO	YES	
Ⓐ	NO	NO	YES	NO	NO	ECHO YES
Ⓑ	YES	NO	NO	NO	YES	RDS YES
CN2	39	NO	NO	NO	39	RDS YES
	NO	35	35	35	NO	RDS NO
W117	NO	YES	YES	YES	NO	RDS NO
W113	YES	YES	NO	YES	YES	ECHO NO
WH1	NO	YES	YES	YES	NO	RDS NO
WH2 WH4, W33	YES	NO	NO	NO	YES	RDS YES

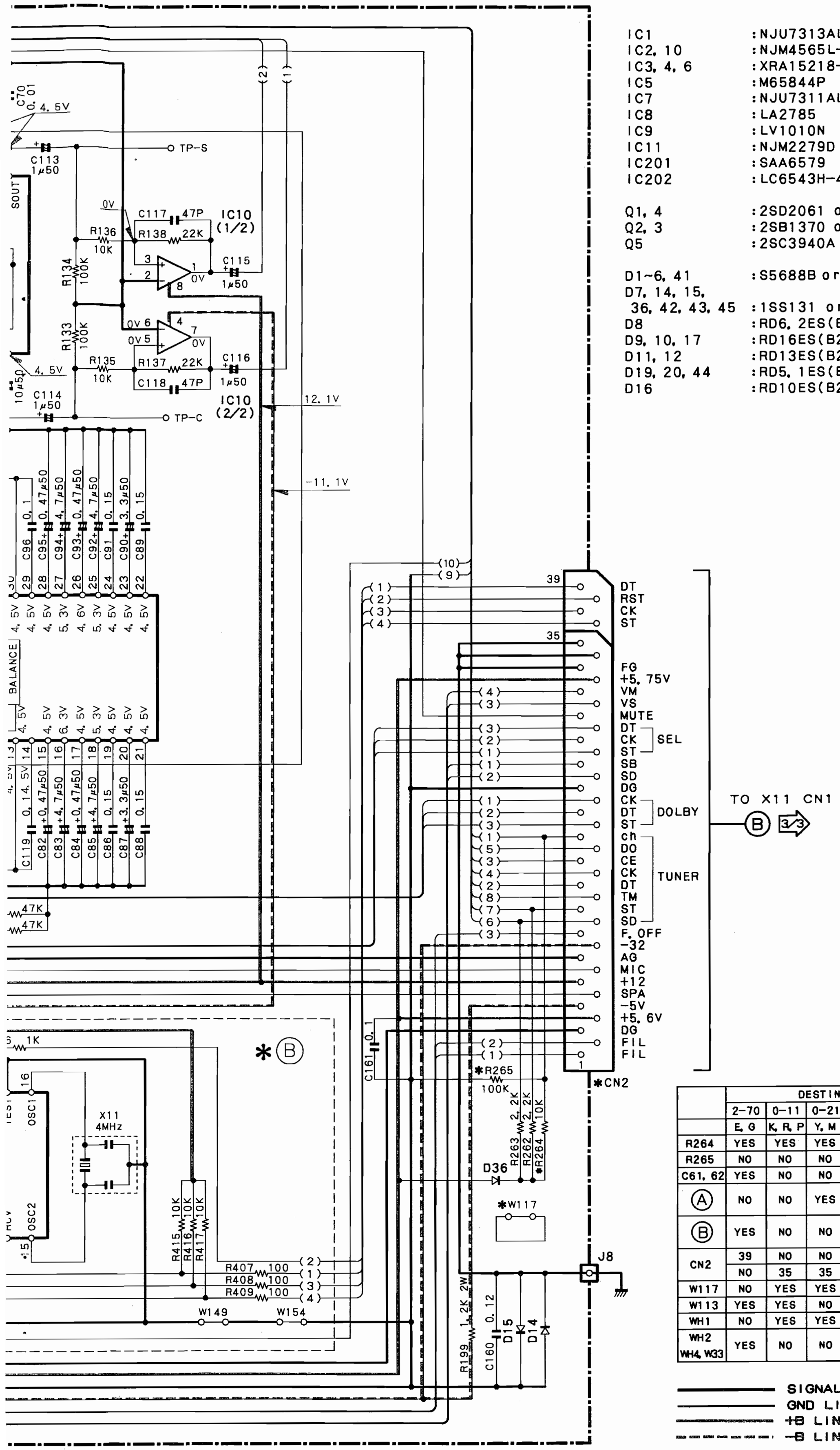
━━━━━ SIGNAL LINE
───── GND LINE
═════ +B LINE
- - - - - -B LINE

DC voltages are as measured with a high impedance voltmeter during reception of the FM broadcast signal (with a singal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

Die angegebenen Gleichspannur hochohmigen Spannungsmesse Signals (mit einer Feldstärke v schluß) gemessen. Dabei schwar von Unterschieden zwischen e Geräten u. U. geringfügig. Die ei nungswerte wurden bei Empfang Feldstärke von 60 dB am Antenne


C70 0.01
4.5V
TP-S
C113 1µ50
SOUT
0V
C117 47P
IC10 (1/2)
R136 10K
R138 22K
C115 1µ50
R134 100K
0V
R133 100K
IC10 (2/2)
R135 10K
R137 22K
C118 47P
C116 1µ50
C114 1µ50
TP-C
12.1V
-11.1V
BALANCE
(10)
(9)
39
35
DT
RST
CK
ST
FG
+5.75V
VM
VS
MUTE
DT
CK
ST
SEL
SB
SD
DG
CK
DT
ST
DOLBY
ch
DO
CE
CK
DT
TM
ST
SD
TUNER
F.OFF
-32
AG
MIC
+12
SPA
-5V
+5.6V
DG
FIL
FIL
1
*CN2
TO X11 CN1
B
3/3
*B
X11 4MHz
OSC1
OSC2
C161 0.1
*R265 100K
R263 2.2K
R262 2.2K
*R264 10K
D36
*W117
J8
R415 10K
R416 10K
R417 10K
R407 100
R408 100
R409 100
W149
W154
R199 1.2K 2W
C160 0.12
D15
D14
47K
47K

IC1 :NJU7313AL or TC9164N
IC2, 10 :NJM4565L-D
IC3, 4, 6 :XRA15218-DX or NJM4565D-D
IC5 :M65844P
IC7 :NJU7311AL or TC9162N
IC8 :LA2785
IC9 :LV1010N
IC11 :NJM2279D
IC201 :SAA6579
IC202 :LC6543H-4D68

Q1, 4 :2SD2061 or 2SD2012
Q2, 3 :2SB1370 or 2SB1375
Q5 :2SC3940A or 2SD863(E, F)

D1~6, 41 :S5688B or 1SR139-100
D7, 14, 15,
36, 42, 43, 45 :1SS131 or HSS104A
D8 :RD6.2ES(B2) or HZS6.2N(B2)
D9, 10, 17 :RD16ES(B2) or HZS16N(B2)
D11, 12 :RD13ES(B2) or HZS13N(B2)
D19, 20, 44 :RD5.1ES(B2) or HZS5.1N(B2)
D16 :RD10ES(B2) or HZS10N(B2)

	DESTINATION					
	2-70	0-11	0-21	0-71	0-51	
	E, G	K, R, P	Y, M	X	T	
R264	YES	YES	YES	NO	NO	DSW1-0
R265	NO	NO	NO	YES	YES	DSW1-1
C61, 62	YES	NO	NO	NO	YES	
Ⓐ	NO	NO	YES	NO	NO	ECHO YES
Ⓑ	YES	NO	NO	NO	YES	RDS YES
CN2	39	NO	NO	NO	39	RDS YES
	NO	35	35	35	NO	RDS NO
W117	NO	YES	YES	YES	NO	RDS NO
W113	YES	YES	NO	YES	YES	ECHO NO
WH1	NO	YES	YES	YES	NO	RDS NO
WH2 WH4, W33	YES	NO	NO	NO	YES	RDS YES

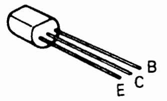
SIGNAL LINE
GND LINE
+B LINE
-B LINE

asured with a high impedance voltme- the FM broadcast signal (with a singal the ANT terminal). Values may vary :ions between individual instruments parentheses are as measured during re- adcast signal (with a signal strength of nal).

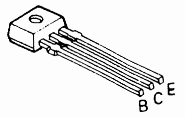
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

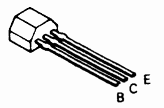
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.



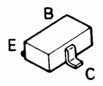
2SC1845
2SC3940A
2SD863



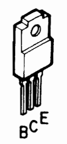
2SC2785



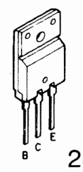
2SC1740S



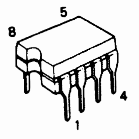
2SA1037K 2SC2714
2SA1576 2SC4081
2SC2412K 2SD1757K



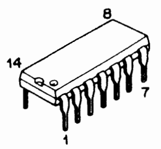
2SB1370
2SD2061



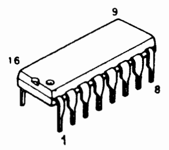
2SB1375
2SD2012



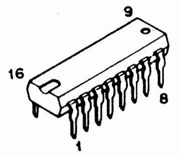
NJM4565D
NJM4565D-D



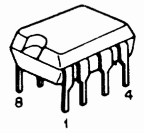
NJM2279D



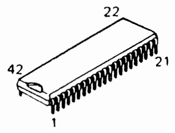
XR-1091ECP



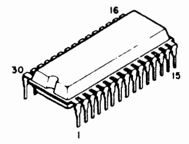
SAA6579



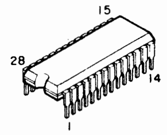
M5223P
XRA15218-DX



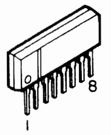
LA2785



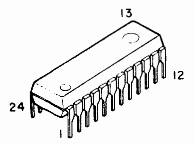
LA1836



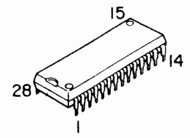
TC9162N
TC9164N



NJM4564L-D



LC7218
LV1919N



NJU7311AL
NJU7313AL

CATION : For continued safety, replace safety crytical components only with manufacturer's recommended parts (refer to pars list). ⚠ indicates safety crytical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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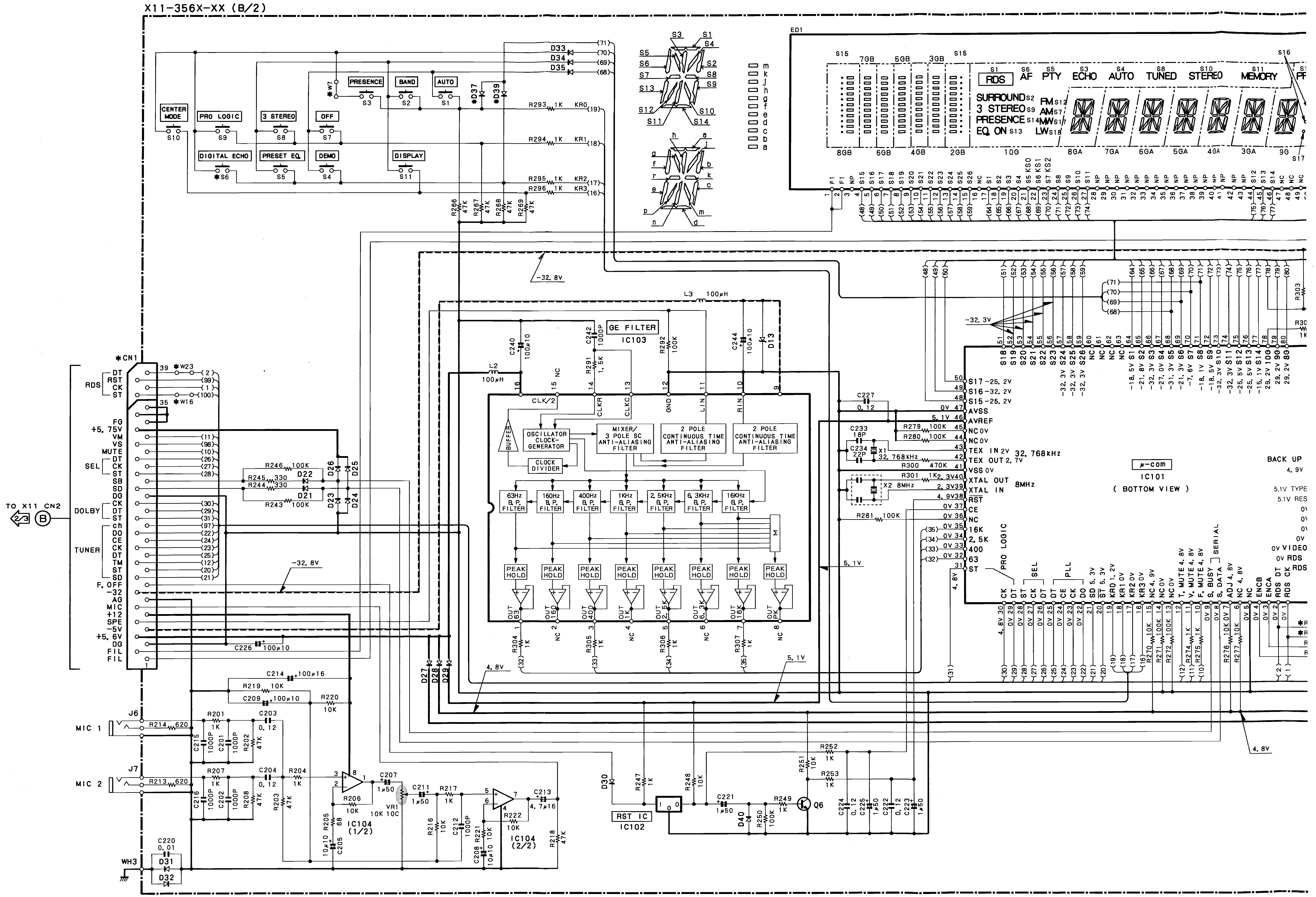
C-F7/L
KENWOOD


X11-356X-XX (B/2)
ED1
CENTER MODE
PRO LOGIC
3 STEREO
OFF
PRESENCE
BAND
AUTO
DIGITAL ECHO
PRESET EQ
DEMO
DISPLAY
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
D33
D34
D35
D37
D39
R293 1K KR0
R294 1K KR1
R295 1K KR2
R296 1K KR3
R266 47K
R267 47K
R268 47K
R269 47K
*CN1
RDS
DT
RST
CK
ST
FG
+5.75V
VM
VS
MUTE
SEL
SB
SD
DG
DOLBY
TUNER
ch
DO
CE
TM
F.OFF
-32
AG
MIC
+12
SPE
-5V
+5.6V
FIL
TO X11 CN2
B
-32.8V
L3 100μH
L2 100μH
GE FILTER
IC103
C240 100μ10
C242 1000P
R291 1.5K
R292 100K
C244 100μ10
D13
CLK/2
CLKR
CLKC
GND
LIN
RIN
BUFFER
OSCILLATOR CLOCK-GENERATOR
MIXER/ 3 POLE SC ANTI-ALIASING FILTER
2 POLE CONTINUOUS TIME ANTI-ALIASING FILTER
CLOCK DIVIDER
63Hz B.P. FILTER
160Hz B.P. FILTER
400Hz B.P. FILTER
1KHz B.P. FILTER
2.5KHz B.P. FILTER
6.3KHz B.P. FILTER
16KHz B.P. FILTER
PEAK HOLD
M
R304 1K
R305 1K
R306 1K
R307 1K
D27
D28
D29
4.8V
5.1V
R246 100K
R245 330
R244 330
R243 100K
D21
D22
D23
D24
D25
D26
C226 100μ10
C214 100μ16
R219 10K
C209 100μ10
R220 10K
J6
MIC 1
R214 620
R201 1K
C203 0.12
C215 1000P
C201 1000P
R202 47K
J7
MIC 2
R213 620
R207 1K
C204 0.12
R204 1K
C216 1000P
C202 1000P
R208 47K
R203 47K
R205 68
C205 10μ10
R206 10K
IC104 (1/2)
C207 1μ50
VR1 10K 10C
C211 1μ50
R217 1K
R216 10K
C212 1000P
R221 10K
C208 10μ10
R222 10K
IC104 (2/2)
C213 4.7μ16
R218 47K
C220 0.01
D31
D32
WH3
D30
R247 1K
R248 10K
RST IC
IC102
C221 1μ50
D40
R250 100K
R249 1K
Q6
R251 10K
R252 1K
R253 1K
C224 0.12
C225 1μ50
C222 0.12
C223 1μ50
C227 0.12
C233 18P
C234 22P
X1 32.768kHz
X2 8MHz
R279 100K
R280 100K
R300 470K
R301 1K
R281 100K
μ-com
IC101
(BOTTOM VIEW)
AVSS
AVREF
TEX IN
TEX OUT
VSS
XTAL OUT
XTAL IN
RST
CE
NC
16K
2.5K
400
63
ST
PRO LOGIC
SEL
PLL
SERIAL
BACK UP
VIDEO
RDS
R303
R270 100K
R271 100K
R272 100K
R274 1K
R275 1K
R276 10K
R277 1K
RDS
AF
PTY
ECHO
AUTO
TUNED
STEREO
MEMORY
SURROUND
3 STEREO
PRESENCE
EQ ON
FM
AM
MW
LW
8GB
7GB
6GB
5GB
4GB
3GB
2GB
10G
9G
8GA
7GA
6GA
5GA
4GA
3GA
-32.3V

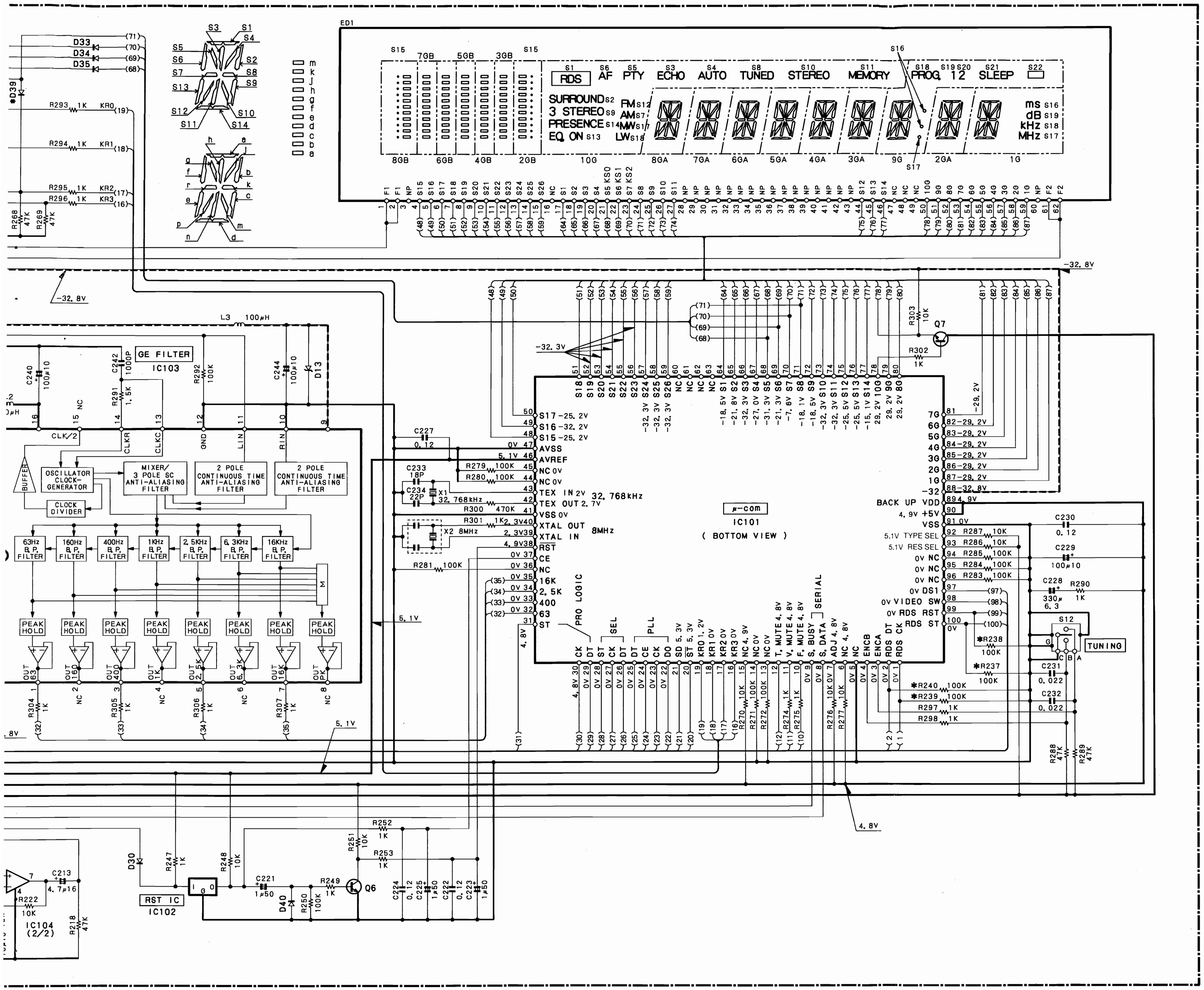
CATION : For continued safety, replace safety crytical components only with manufacturer's recommended parts (refer to pars list). ⚠ indicates safety crytical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DC voltages are as measured with a high impedance voltmeter during reception of the FM broadcast signal (with a singal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.


ED1
S15
S16
S1 RDS
S6 AF
S5 PTY
S3 ECHO
S4 AUTO
S8 TUNED
S10 STEREO
S11 MEMORY
S18 PROG
S19 S20 12
S21 SLEEP
S22
SURROUND S2
3 STEREO S9
PRESENCE S14
EQ ON S13
FM S12
AM S7
MW S1
LW S18
ms S16
dB S19
kHz S18
MHz S17
S17
8GB 6GB 4GB 2GB 10G 8GA 7GA 6GA 5GA 4GA 3GA 9G 2GA 1G
7GB 5GB 3GB
D33
D34
D35
R293 1K KR0
R294 1K KR1
R295 1K KR2
R296 1K KR3
R268 47K
R269 47K
-32.8V
L3 100μH
GE FILTER
IC103
C240 100μ10
C242 1000P
R291 1.5K
R292 100K
C244 100μ10
D13
CLK/2
CLKR
CLKC
GND
LIN
RIN
BUFFER
OSCILLATOR CLOCK-GENERATOR
MIXER/ 3 POLE SC ANTI-ALIASING FILTER
2 POLE CONTINUOUS TIME ANTI-ALIASING FILTER
2 POLE CONTINUOUS TIME ANTI-ALIASING FILTER
CLOCK DIVIDER
63Hz B.P. FILTER
160Hz B.P. FILTER
400Hz B.P. FILTER
1KHz B.P. FILTER
2.5KHz B.P. FILTER
6.3KHz B.P. FILTER
16KHz B.P. FILTER
PEAK HOLD
OUT 63
OUT 160
OUT 400
OUT 1K
OUT 2.5K
OUT 6.3K
OUT 16K
OUT DC
R304 1K
R305 1K
R306 1K
R307 1K
5.1V
C227 0.12
C233 18P
C234 22P
X1 32.768kHz
X2 8MHz
R279 100K
R280 100K
R300 470K
R301 1K
R281 100K
μ-com
IC101
(BOTTOM VIEW)
PRO LOGIC
SEL
PLL
SERIAL
BACK UP VDD
TEX IN
TEX OUT
XTAL OUT
XTAL IN
RST
-32.3V
-32.8V
R303 10K
Q7
R302 1K
C230 0.12
C229 100μ10
C228 330μ 6.3
R290 1K
S12
TUNING
R287 10K
R286 10K
R285 100K
R284 100K
R283 100K
*R238 100K
*R237 100K
*R240 100K
*R239 100K
R297 1K
R298 1K
C231 0.022
C232 0.022
R288 47K
R289 47K
4.8V
R252 1K
R251 10K
R253 1K
D30
R247 1K
R248 10K
RST IC
IC102
C221 1μ50
D40
R250 100K
R249 1K
Q6
C224 0.12
C225 1μ50
C222 0.12
C223 1μ50
C213 4.7μ16
R222 10K
IC104 (2/2)
R218 47K

ED1 :FIP10EMW6R

IC101 :CXP82440A-116Q
IC102 :PST9140-T
IC103 :XR-1091ECP
IC104 :NJM4565L-D

Q6, 7 :2SC1740S(Q, R) or 2SC2785(F, E)

D13 :RD5. 1ES(B2) or HZS5. 1N(B2)
D21-35,
37, 39, 40 :1SS131 or HSS104A

	DESTINATION					
	2-70	0-11	0-21	0-71	0-51	
	E, G	K, R, P	Y, M	X	T	
D37	NO	YES	YES	YES	NO	DSW0
D39	NO	YES	NO	NO	NO	DSW2
R237-240	NO	YES	YES	YES	NO	RDS NO
W7	YES	YES	NO	YES	YES	ECHO NO
S6	NO	NO	YES	NO	NO	ECHO YES
W16, 23	YES	NO	NO	NO	YES	RDS YES
CN1	39P	NO	NO	NO	39P	
	NO	35P	35P	35P	NO	RDS NO

SIGNAL LINE
GND LINE
+B LINE
-B LINE

are as measured with a high impedance voltme- ception of the FM broadcast signal (with a singal 60 dB at the ANT terminal). Values may vary to variations between individual instruments Values in parentheses are as measured during re- e AM broadcast signal (with a signal strength of ANT terminal).

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
Les valeurs entre parenthèses doivent être mesurées pendant la réception d'un signal de programme AM avec une force de signal de 60 dB à la borne ANT).

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB am Antennenanschluß) gemessen.

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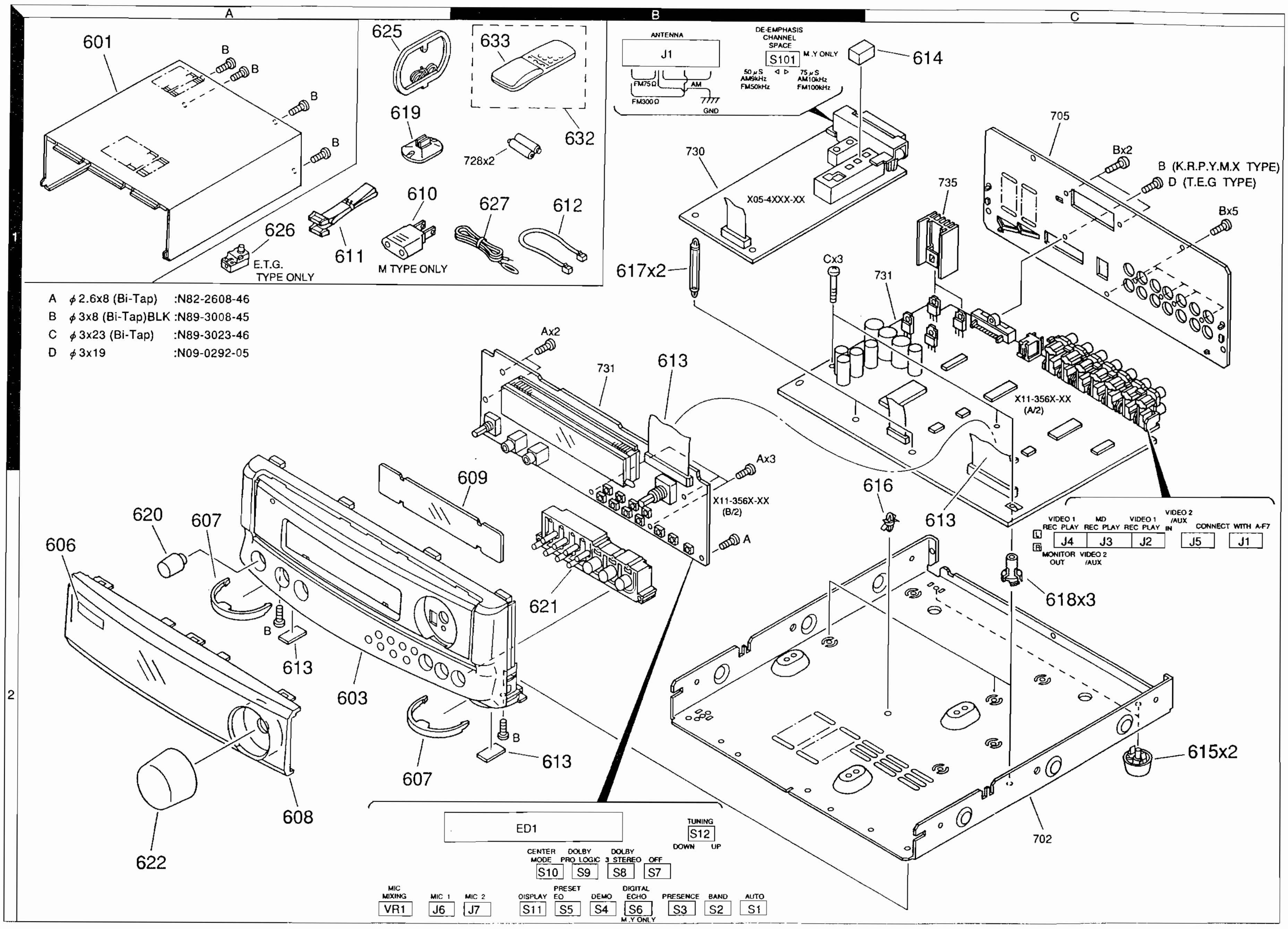
3/3

C-F7/L

KENWOOD

Y08-5210-10

EXPLODED VIEW


A
B
C
1
2
601
B
625
633
619
632
728x2
610
627
612
626
E.T.G.
TYPE ONLY
611
M TYPE ONLY
ANTENNA
J1
FM75Ω
AM
FM300Ω
GND
DE-EMPHASIS
CHANNEL
SPACE
S101
M.Y ONLY
50μS
AM9kHz
FM50kHz
75μS
AM10kHz
FM100kHz
614
705
730
X05-4XXX-XX
735
617x2
Bx2
B (K.R.P.Y.M.X TYPE)
D (T.E.G TYPE)
Bx5
Cx3
731
Ax2
613
X11-356X-XX
(A/2)
609
Ax3
X11-356X-XX
(B/2)
A
616
620
607
606
621
VIDEO 1
REC PLAY
MD
REC PLAY
VIDEO 1
REC PLAY
VIDEO 2
/AUX
IN
CONNECT WITH A-F7
L
R
J4
J3
J2
J5
J1
MONITOR
OUT
VIDEO 2
/AUX
618x3
613
603
607
608
622
615x2
702
ED1
TUNING
S12
DOWN
UP
CENTER
MODE
DOLBY
PRO LOGIC
DOLBY
3 STEREO
OFF
S10
S9
S8
S7
MIC
MIXING
MIC 1
MIC 2
DISPLAY
PRESET
EQ
DEMO
DIGITAL
ECHO
PRESENCE
BAND
AUTO
VR1
J6
J7
S11
S5
S4
S6
S3
S2
S1
M.Y ONLY

A ϕ2.6x8 (Bi-Tap) :N82-2608-46
B ϕ3x8 (Bi-Tap)BLK :N89-3008-45
C ϕ3x23 (Bi-Tap) :N89-3023-46
D ϕ3x19 :N09-0292-05

Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

⁎ New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Telle ohne Parts No. werden nicht geliefert.

NO.1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C-F7/L						
601	1A		A01-3219-01	METALLIC CABINET		
603	2A	⁎	A60-0709-21	PANEL	YM	
603	2A	⁎	A60-0710-21	PANEL	KRPXTE	
603	2A	⁎	A60-0710-21	PANEL	G	
606	2A		B43-0301-04	KENWOOD BADGE		
607	2A		B07-2268-14	ESCUTCHEON		
608	2A	⁎	810-2092-12	FRONT GLASS	KRPYMX	
608	2A	⁎	B10-2093-12	FRONT GLASS	EG	
608	2A	⁎	B10-2094-12	FRONT GLASS	T	
609	28		B11-0288-04	COLOR FILTER		
-		⁎	B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-		⁎	B46-0307-23	WARRANTY CARD	KY	
-			B46-0310-03	WARRANTY CARD	TEG	
-		⁎	B58-0964-13	CAUTION CARD (CAUTION UL)	KRY	
-		⁎	B58-0965-13	CAUTION CARD (TX TYPE PL)	XT	
-		⁎	B58-0966-13	CAUTION CARD (ELM TYPE PL)	ME	
-		⁎	B58-0967-03	CAUTION CARD (P TYPE PL)	P	
-		⁎	B58-0970-13	CAUTION CARD (RG TYPE PL)	RG	
-		⁎	B59-1104-00	SERVICE DIRECTORY	Y	
-		⁎	B60-2066-00	INST.MANUAL UD-703/753(EN)	KPT	
-		⁎	B60-2067-00	INST.MANUAL UD-703/753(FR)	PE	
-		⁎	B60-2068-00	INST.MANUAL UD-703/753(G)	EG	
-		⁎	B60-2069-00	INST.MANUAL UD-703/753(D)	E	
-		⁎	B60-2070-00	INST.MANUAL UD-703/753(I)	E	
-		⁎	B60-2071-00	INST.MANUAL UD-703/753(SP)	RE	
-		⁎	B60-2072-00	INST.MANUAL UD-713/763(C)	M	
-		⁎	860-2073-00	INST.MANUAL UD-713/763(TAIWAN)	M	
-		⁎	B60-2074-00	INST.MANUAL UD-703/753(RDS)	TEG	
-		⁎	B60-2259-00	INST.MANUAL UD-713/763(EN)	YMX	
-		⁎	B60-2260-00	INST.MANUAL UD-713/763(SP)	M	
⚠ 610	1A		E03-0115-05	AC PLUG ADAPTER	M	
611	1B		E30-2738-05	CORD WITH CONNECTOR		
612	1B	⁎	E35-1063-05	WIRING HARNESS		
613	1B,2C	⁎	E35-1199-05	FLAT CABLE(39P) X11 CN1-CN2	TEG	
613	1B,2C	⁎	E35-1200-05	FLAT CABLE(35P) X11 CN1-CN2	KRPYMX	
633	1B		F07-0721-33	COVER		
613	2A,2B		G11-2231-14	CUSHION	M	
613	2A,2B		G11-2234-04	CUSHION	KRPYXT	
613	2A,2B		G11-2234-04	CUSHION	EG	
614	1C	⁎	G11-2240-04	CUSHION		
		⁎	H50-1447-04	ITEM CARTON CASE	KRPYX	S
		⁎	H50-1448-04	ITEM CARTON CASE	M	S
		⁎	H50-1449-04	ITEM CARTON CASE	TEG	S
		⁎	H50-1453-04	ITEM CARTON CASE	KRPYX	W
		⁎	H50-1454-04	ITEM CARTON CASE	M	W
		⁎	H50-1455-04	ITEM CARTON CASE	TEG	W
-			H10-5995-12	POLYSTYRENE FOAMED FIXTURE		S
-			H10-5996-12	POLYSTYRENE FOAMED FIXTURE		S
-		⁎	H10-5997-12	POLYSTYRENE FOAMED FIXTURE		W
-		⁎	H10-5998-12	POLYSTYRENE FOAMED FIXTURE		W

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NO.2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG	KRPYMX	
-			H25-0632-24	PROTECTION BAG	EG	
-			H25-0644-04	PROTECTION BAG	T	
-			H25-0681-04	PROTECTION BAG		
615	2C		J02-0366-15	FOOT		
616	2C		J19-3324-15	UNIT HOLDER		
617	1B		J19-3632-05	UNIT HOLDER		
618	2C		J19-3752-14	UNIT HOLDER		
619	1A		J19-3645-05	ANTENNA STAND		
620	2A		K29-5839-14	KNOB (MIC MIXING)		
621	2B	⁎	K29-6106-02	KNOB	YM	
621	2B	⁎	K29-6107-02	KNOB	KRPXTE	
621	2B	⁎	K29-6107-02	KNOB	G	
622	2A		K29-6111-14	KNOB (TUNING)		
A	2B		N82-2608-46	BINDING HEAD TAPTITE SCREW		
B	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
C	1B		N89-3023-46	BINDING HEAD TAPTITE SCREW		
D	1C		N09-0292-05	BRAZIER HD STEPPED SCREW M3X19	TEG	
625	1A		T90-0195-05	LOOP ANTENNA		
626	1A		T90-0198-05	ANTENNA ADAPTOR	TEG	
627	1B		T90-0801-05	LEAD WIRE ANTENNA		
632	1B	⁎	X94-1070-00	REMOTE CONTROL ASSY UNIT		
TUNER UNIT(X05-4460-XX)						
C1 ,2			CK73FB1H103K	CHIP C 0.010UF K		
C4			CE04LW1A470M	ELECTRO 47UF 10WV		
C5			CK73FB1H103K	CHIP C 0.010UF K		
C8			CK73FB1H103K	CHIP C 0.010UF K		
C10			CK73FB1H102K	CHIP C 1000PF K		
C11			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C13			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C14			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C21 ,22			CQ92FM1H163J	MYLAR 0.016UF J	YMX	
C21 ,22			CQ92FM1H243J	MYLAR 0.024UF J	KRP	
C23			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C24			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C25			CE04LW1V100M	ELECTRO 10UF 35WV		
C27			CK73FB1E473K	CHIP C 0.047UF K		
C28			CE04LW1V100M	ELECTRO 10UF 35WV		
C31			CE04LW1A470M	ELECTRO 47UF 10WV		
C32			CK73FB1H103K	CHIP C 0.010UF K		
C33			CC73FCH1H270J	CHIP C 27PF J		
C34			CC73FCH1H220J	CHIP C 22PF J		
C35 -38			CK73FB1H471K	CHIP C 470PF K		
C39			CE04LW1C470M	ELECTRO 47UF 16WV		
C40			CK73FB1H223K	CHIP C 0.022UF K		
C41			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C42 ,43			CK73FB1H103K	CHIP C 0.010UF K		
C50			C91-0769-05	CERAMIC 0.010UF K		
C51			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C52			CE04LW1C470M	ELECTRO 47UF 16WV		
C57			CC73FSL1H220J	CHIP C 22PF J		
C65			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C66			CK73FB1H102K	CHIP C 1000PF K		

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NO.1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
				C-F7/L		
601	1A		A01-3219-01	METALLIC CABINET		
603	2A	*	A60-0709-21	PANEL	YM	
603	2A	*	A60-0710-21	PANEL	KRPXTE	
603	2A	*	A60-0710-21	PANEL	G	
606	2A		B43-0301-04	KENWOOD BADGE		
607	2A		B07-2268-14	ESCUTCHEON		
608	2A	*	B10-2092-12	FRONT GLASS	KRPYMX	
608	2A	*	B10-2093-12	FRONT GLASS	EG	
608	2A	*	B10-2094-12	FRONT GLASS	T	
609	2B		B11-0288-04	COLOR FILTER		
-		*	B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-		*	846-0307-23	WARRANTY CARD	KY	
-			B46-0310-03	WARRANTY CARD	TEG	
-		*	B58-0964-13	CAUTION CARD (CAUTION UL)	KRY	
-		*	B58-0965-13	CAUTION CARD (TX TYPE PL)	XT	
-		*	B58-0966-13	CAUTION CARD (ELM TYPE PL)	ME	
-		*	B58-0967-03	CAUTION CARD (P TYPE PL)	P	
-		*	B58-0970-13	CAUTION CARD (RG TYPE PL)	RG	
-		*	B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-2066-00	INST.MANUAL UD-703/753(EN)	KPT	
-		*	B60-2067-00	INST.MANUAL UD-703/753(FR)	PE	
-		*	B60-2068-00	INST.MANUAL UD-703/753(G)	EG	
-		*	B60-2069-00	INST.MANUAL UD-703/753(D)	E	
-		*	B60-2070-00	INST.MANUAL UD-703/753(I)	E	
-		*	B60-2071-00	INST.MANUAL UD-703/753(SP)	RE	
-		*	B60-2072-00	INST.MANUAL UD-713/763(C)	M	
-		*	B60-2073-00	INST.MANUAL UD-713/763(TAIWAN)	M	
-		*	B60-2074-00	INST.MANUAL UD-703/753(RDS)	TEG	
-		*	B60-2259-00	INST.MANUAL UD-713/763(EN)	YMX	
-		*	B60-2260-00	INST.MANUAL UD-713/763(SP)	M	
⚠ 610	1A		E03-0115-05	AC PLUG ADAPTER	M	
611	1B		E30-2738-05	CORD WITH CONNECTOR		
612	1B	*	E35-1063-05	WIRING HARNESS		
613	1B,2C	*	E35-1199-05	FLAT CABLE(39P) X11 CN1-CN2	TEG	
613	1B,2C	*	E35-1200-05	FLAT CABLE(35P) X11 CN1-CN2	KRPYMX	
633	1B		F07-0721-33	COVER		
613	2A,2B		G11-2231-14	CUSHION	M	
613	2A,2B		G11-2234-04	CUSHION	KRPYXT	
613	2A,2B		G11-2234-04	CUSHION	EG	
614	1C	*	G11-2240-04	CUSHION		
		*	H50-1447-04	ITEM CARTON CASE	KRPYX	S
		*	H50-1448-04	ITEM CARTON CASE	M	S
		*	H50-1449-04	ITEM CARTON CASE	TEG	S
		*	H50-1453-04	ITEM CARTON CASE	KRPYX	W
		*	H50-1454-04	ITEM CARTON CASE	M	W
		*	H50-1455-04	ITEM CARTON CASE	TEG	W
-			H10-5995-12	POLYSTYRENE FOAMED FIXTURE		S
-			H10-5996-12	POLYSTYRENE FOAMED FIXTURE		S
-		*	H10-5997-12	POLYSTYRENE FOAMED FIXTURE		W
-		*	H10-5998-12	POLYSTYRENE FOAMED FIXTURE		W

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NO.2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG	KRPYMX	
-			H25-0632-24	PROTECTION BAG	EG	
-			H25-0644-04	PROTECTION BAG	T	
-			H25-0681-04	PROTECTION BAG		
615	2C		J02-0366-15	FOOT		
616	2C		J19-3324-15	UNIT HOLDER		
617	1B		J19-3632-05	UNIT HOLDER		
618	2C		J19-3752-14	UNIT HOLDER		
619	1A		J19-3645-05	ANTENNA STAND		
620	2A		K29-5839-14	KNOB (MIC MIXING)		
621	2B	*	K29-6106-02	KNOB	YM	
621	2B	*	K29-6107-02	KNOB	KRPXTE	
621	2B	*	K29-6107-02	KNOB	G	
622	2A		K29-6111-14	KNOB (TUNING)		
A	2B		N82-2608-46	BINDING HEAD TAPTITE SCREW		
B	1A,1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
C	1B		N89-3023-46	BINDING HEAD TAPTITE SCREW		
D	1C		N09-0292-05	BRAZIER HD STEPPED SCREW M3X19	TEG	
625	1A		T90-0195-05	LOOP ANTENNA		
626	1A		T90-0198-05	ANTENNA ADAPTOR	TEG	
627	1B		T90-0801-05	LEAD WIRE ANTENNA		
632	1B	*	X94-1070-00	REMOTE CONTROL ASSY UNIT		
				TUNER UNIT(X05-4460-XX)		
C1 ,2			CK73FB1H103K	CHIP C 0.010UF K		
C4			CE04LW1A470M	ELECTRO 47UF 10WV		
C5			CK73FB1H103K	CHIP C 0.010UF K		
C8			CK73FB1H103K	CHIP C 0.010UF K		
C10			CK73FB1H102K	CHIP C 1000PF K		
C11			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C13			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C14			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C21 ,22			CQ92FM1H163J	MYLAR 0.016UF J	YMX	
C21 ,22			CQ92FM1H243J	MYLAR 0.024UF J	KRP	
C23			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C24			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C25			CE04LW1V100M	ELECTRO 10UF 35WV		
C27			CK73FB1E473K	CHIP C 0.047UF K		
C28			CE04LW1V100M	ELECTRO 10UF 35WV		
C31			CE04LW1A470M	ELECTRO 47UF 10WV		
C32			CK73FB1H103K	CHIP C 0.010UF K		
C33			CC73FCH1H270J	CHIP C 27PF J		
C34			CC73FCH1H220J	CHIP C 22PF J		
C35 -38			CK73FB1H471K	CHIP C 470PF K		
C39			CE04LW1C470M	ELECTRO 47UF 16WV		
C40			CK73FB1H223K	CHIP C 0.022UF K		
C41			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C42 ,43			CK73FB1H103K	CHIP C 0.010UF K		
C50			C91-0769-05	CERAMIC 0.010UF K		
C51			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C52			CE04LW1C470M	ELECTRO 47UF 16WV		
C57			CC73FSL1H220J	CHIP C 22PF J		
C65			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C66			CK73FB1H102K	CHIP C 1000PF K		

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NO.3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C71			CE04LW1V100M	ELECTRO 10UF 35WV		
C72			CE04LW1C470M	ELECTRO 47UF 16WV		
C103-106			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C107			CK73FB1E473K	CHIP C 0.047UF K		
C112			CC73FSL1H101J	CHIP C 100PF J		
C114			CK73FB1H681K	CHIP C 680PF K		
C115,116			CC73FSL1H101J	CHIP C 100PF J		
C121,122			CE04LW1C470M	ELECTRO 47UF 16WV		
C135,136			CQ92FM1H682J	MYLAR 6800PF J	YM	
C182			CC73FSL1H150J	CHIP C 15PF J		
CN1	1B		E40-4234-05	FLAT CABLE CONNCTOR		
J1			E20-0476-05	LOCK TERMINAL BOARD ANTENNA		
CF1 ,2			L72-0531-05	CERAMIC FILTER		
CF3			L72-0574-05	CERAMIC FILTER		
L7			L30-0467-05	AM IFT		
L10			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L11			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L12			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L103			L39-1328-05	COMBINATION COIL		
L106			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)		
X2			L78-0295-05	RESONATOR (456kHz)		
⚠ R11			RS14KB3A820J	FL-PROOF RS 82 J 1W		
R31			RS14KB3D221J	FL-PROOF RS 220 J 2W		
⚠ R42			RD14NB2E101J	RD 100 J 1/4W		
R111			RD14NB2E470J	RD 47 J 1/4W		
⚠ R127,128			RD14NB2E101J	RD 100 J 1/4W		
W46			R92-0670-05	CHIP R 0 OHM		
W48			R92-0670-05	CHIP R 0 OHM		
S101			S62-0034-05	SLIDE SWITCH DE-EMPHASIS	YM	
D3			HZS5.1N(B2)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D4			HZS3.3N(B2)	ZENER DIODE		
D4			RD3.3ES(B2)	ZENER DIODE		
D7			MA110	DIODE		
D8			HSS104	DIODE		
D8			1SS133	DIODE		
D11			HZS8.2N(B2)	ZENER DIODE		
D11			RD8.2ES(B2)	ZENER DIODE		
D111,112			MA110	DIODE		
IC1			LA1831A-KEN	ANALOGUE IC		
IC2			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
IC12			NJM4565D	IC(OP AMP X2)		
Q1			2SC2714(R,0)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC2785(F,E)	TRANSISTOR		
Q7			2SC2412K	TRANSISTOR		
⚠ Q11			2SD863(E,F)	TRANSISTOR		
Q102			2SA1037K	TRANSISTOR		
Q104			2SAI037K	TRANSISTOR		
Q107-I10			2SC2412K	TRANSISTOR	YM	
Q109,110			2SC2412K	TRANSISTOR	KRPX	

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NO.4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
Q111			2SA1037K	TRANSISTOR		
DT1			W02-2512-05	FM FRONT-END ASSY		
				TUNER UNIT(X05-4532-7X)		
C1 ,2			CK73FB1H103K	CHIP C 0.010UF K		
C3			CE04LW1V100M	ELECTRO 10UF 35WV		
C4			CK73FB1E473K	CHIP C 0.047UF K		
C5			CE04LW1V100M	ELECTRO 10UF 35WV		
C6			CK73FB1E473K	CHIP C 0.047UF K		
C7			CE04LW1V100M	ELECTRO 10UF 35WV		
C8			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C9			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C10			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C11			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C12			CK73FB1E473K	CHIP C 0.047UF K		
C13			CC73FCH1H220J	CHIP C 22PF J		
C14			CE04LW1A101M	ELECTRO 100UF 10WV		
C15			CK73FB1H472K	CHIP C 4700PF K		
C16			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C17 ,18			CE04LW1V100M	ELECTRO 10UF 35WV		
C19 ,20			CQ92FM1H273J	MYLAR 0.027UF J		
C21			CK73FB1H103K	CHIP C 0.010UF K		
C22			CC73FSL1H101J	CHIP C 100PF J		
C23 ,24			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C25 ,26			CK73FB1H562K	CHIP C 5600PF K		
C27			CK73FB1E473K	CHIP C 0.047UF K		
C28			CC73FSL1H150J	CHIP C 15PF J		
C30			CE04LW1C470M	ELECTRO 47UF 16WV		
C31			CK73FB1E473K	CHIP C 0.047UF K		
C32			CK73FB1H103K	CHIP C 0.010UF K		
C33			CC73FCH1H270J	CHIP C 27PF J		
C34			CC73FCH1H220J	CHIP C 22PF J		
C35 -38			CC73FSL1H101J	CHIP C 100PF J		
C39			CE04LW1C470M	ELECTRO 47UF 16WV		
C40			CQ92FM1H223J	MYLAR 0.022UF J		
C41			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C42 ,43			CK73FB1H103K	CHIP C 0.010UF K		
C44			CE04LW1A470M	ELECTRO 47UF 10WV		
C45			CE04LW1C470M	ELECTRO 47UF 16WV		
C46			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C47			CK73FB1H103K	CHIP C 0.010UF K		
C48			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C49			CK73FB1H103K	CHIP C 0.010UF K		
C55			CK73FB1H222K	CHIP C 2200PF K		
C56			CC73FCH1H060D	CHIP C 6.0PF D		
C57			CC73FCH1H220J	CHIP C 22PF J		
C58			CK73FB1E473K	CHIP C 0.047UF K		
C60			CC73FSL1H101J	CHIP C 100PF J		
C61			C91-0745-05	CERAMIC 100PF K		
C62			CC45FSL1H020C	CERAMIC 2.0PF C		
CN1	1B		E40-4244-05	SOCKET FOR PIN ASSY		
J1			E20-0321-05	LOCK TERMINAL BOARD ANTENNA		
CF1 ,2			L72-0536-05	CERAMIC FILTER		

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PARTS LIST

⁎ New Parts
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NO.5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
L1 ,2			L79-1219-05	LC FILTER		
L3			L30-0910-05	FM IFT		
L5			L79-0125-05	LC FILTER		
L6			L39-1325-05	COMBINATION COIL	T	
L6			L39-1328-05	COMBINATION COIL	EG	
L7			L30-0467-05	AM IFT		
L8 ,9			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L11			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)		
X2			L78-0295-05	RESONATOR (456kHz)		
R42			RD14NB2E101J	RD 100 J 1/4W		
R78			RD14NB2E470J	RD 47 J 1/4W		
R79			RS14KB3D221J	FL-PROOF RS 220 J 2W		
W101			R92-0670-05	CHIP R 0 OHM	T	
W101-106			R92-0670-05	CHIP R 0 OHM	EG	
W106-119			R92-0670-05	CHIP R 0 OHM	T	
W108-112			R92-0670-05	CHIP R 0 OHM	EG	
W114-119			R92-0670-05	CHIP R 0 OHM	EG	
W121,122			R92-0670-05	CHIP R 0 OHM		
W201-203			R92-0679-05	CHIP R 0 OHM	EG	
W201-204			R92-0679-05	CHIP R 0 OHM	T	
W207,208			R92-0679-05	CHIP R 0 OHM		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D3			MTZJ5.1(B)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D4			MTZJ8.2(B)	ZENER DIODE		
D4			RD8.2ES(B2)	ZENER DIODE		
D5			HSS104	DIODE		
D5			1SS133	DIODE		
D6			MTZJ3.3(B)	ZENER DIODE		
D6			RD3.3ES(B2)	ZENER DIODE		
D10			MA110	DIODE	T	
IC1			LA1836	ANALOGUE IC		
IC2			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
IC3			M5223P	IC(OP AMP X2)		
Q1			2SC2714(R,O)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3 -5			2SC4081(R,S)	TRANSISTOR		
Q6 -8			2SA1576(R,S)	TRANSISTOR	T	
Q7 ,8			2SA1576(R,S)	TRANSISTOR	EG	
Q9			2SD863(E,F)	TRANSISTOR		
Q10			2SA1576(R,S)	TRANSISTOR		
Q11 ,12			2SD1757K	TRANSISTOR		
Q13 -15			2SC4081(R,S)	TRANSISTOR	T	
A1			W02-2509-05	FM FRONT-END ASSY		
CONTROL UNIT(X11-356X-XX)						
C1 ,2			CE04LW1E102M	ELECTRO 1000UF 25WV		
C3 ,4			CE04LW1E101M	ELECTRO 100UF 25WV		
C5 ,6			CE04LW1E470M	ELECTRO 47UF 25WV		
C7 -9			CE04LW1V471M	ELECTRO 470UF 35WV		
C10			CE04LW1H331M	ELECTRO 330UF 50WV		
C11			CE04LW1E102M	ELECTRO 1000UF 25WV		

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⁎ New Parts
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NO.6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C12			CE04LW1H100M	ELECTRO 10UF 50WV		
C13			CE04LW1A101M	ELECTRO 100UF 10WV		
C14			CE04LW1H220M	ELECTRO 22UF 50WV		
C15			CE04LW1V101M	ELECTRO 100UF 35WV		
C17 -32			CC45FSL1H221J	CERAMIC 220PF J		
C33 -38			CE04LW1H100M	ELECTRO 10UF 50WV		
C39 ,40			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C41 ,42			CC45FSL1H470J	CERAMIC 47PF J		
C43			CE04LW1H100M	ELECTRO 10UF 50WV		
C44			CK45FF1H223Z	CERAMIC 0.022UF Z		
C45			CE04LW1H100M	ELECTRO 10UF 50WV		
C46			CC45FSL1H470J	CERAMIC 47PF J		
C47			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C48			CK45FF1H223Z	CERAMIC 0.022UF Z		
C49 ,50			CE04LW1V101M	ELECTRO 100UF 35WV		
C51			CE04LW1H220M	ELECTRO 22UF 50WV		
C52			CK45FF1H103Z	CERAMIC 0.010UF Z		
C53			CE04LW1A101M	ELECTRO 100UF 10WV		
C54			CK45FF1H103Z	CERAMIC 0.010UF Z		
C55			CE04LW1A101M	ELECTRO 100UF 10WV		
C56			CK45FF1H103Z	CERAMIC 0.010UF Z		
C57 ,58			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C59 ,60			CC45FSL1H470J	CERAMIC 47PF J		
C61			CE04LW1H010M	ELECTRO 1.0UF 50WV	TEG	
C62			CF92FV1H124J	MF-C 0.12UF J	TEG	
C64			CC45FSL1H221J	CERAMIC 220PF J		
C65			CE04LW1V471M	ELECTRO 470UF 35WV		
C66			CF92FV1H124J	MF-C 0.12UF J		
C67 ,68			CQ93FMG1H104J	MYLAR 0.10UF J		
C70			CK45FF1H103Z	CERAMIC 0.010UF Z		
C71			CQ93FMG1H223J	MYLAR 0.022UF J		
C72			CQ93FMG1H473J	MYLAR 0.047UF J		
C73			CE04LW1H100M	ELECTRO 10UF 50WV		
C74			CE04LW1A221M	ELECTRO 220UF 10WV		
C75 -77			CE04LW1H100M	ELECTRO 10UF 50WV		
C78			CE04LW1A221M	ELECTRO 220UF 10WV		
C79 ,80			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C81			CQ93FMG1H104J	MYLAR 0.10UF J		
C82			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C83			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C84			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C85			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C86			CF92FV1H154J	MF-C 0.15UF J		
C87			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C88 ,89			CF92FV1H154J	MF-C 0.15UF J		
C90			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C91			CF92FV1H154J	MF-C 0.15UF J		
C92			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C93			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C94			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C95			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C96 ,97			CQ93FMG1H104J	MYLAR 0.10UF J		
C98			CE04LW1E470M	ELECTRO 47UF 25WV		
C99			CF92FV1H474J	MF-C 0.47UF J		
C100			CE04LW1H010M	ELECTRO 1.0UF 50WV		

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NO.7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C101,102			CE04LW1H100M	ELECTRO 10UF 50WV		
C103			CQ93FMG1H681J	MYLAR 680PF J		
C104			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C105			CE04LW1H100M	ELECTRO 10UF 50WV		
C106			CE04LW1A221M	ELECTRO 220UF 10WV		
C107			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C108			CQ93FMG1H333J	MYLAR 0.033UF J		
C109			CQ93FMG1H152J	MYLAR 1500PF J		
C110			CQ93FMG1H333J	MYLAR 0.033UF J		
C111			CE04LW1A221M	ELECTRO 220UF 10WV		
C112			CF92FV1H124J	MF-C 0.12UF J		
C113-116			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C117,118			CC45FSL1H470J	CERAMIC 47PF J		
C119			CQ93FMG1H104J	MYLAR 0.10UF J		
C120			CF92FV1H184J	MF-C 0.18UF J		
C122			CE04LW1E470M	ELECTRO 47UF 25WV		
C123			CE04LW1E101M	ELECTRO 100UF 25WV		
C126			CE04LW1A101M	ELECTRO 100UF 10WV	YM	
C127			CF92FV1H124J	MF-C 0.12UF J	YM	
C130			CF92FV1H124J	MF-C 0.12UF J	YM	
C131			CK45FF1H103Z	CERAMIC 0.010UF Z	YM	
C132			CE04LW1H010M	ELECTRO 1.0UF 50WV	YM	
C133,134			CF92FV1H224J	MF-C 0.22UF J	YM	
C135			CF92FV1H124J	MF-C 0.12UF J	YM	
C136			CK45FB1H222K	CERAMIC 2200PF K	YM	
C137			CE04LW1HR47M	ELECTRO 0.47UF 50WV	YM	
C138			CK45FF1H103Z	CERAMIC 0.010UF Z	YM	
C139			CK45FB1H222K	CERAMIC 2200PF K	YM	
C140			CF92FV1H124J	MF-C 0.12UF J	YM	
C141			CE04LW1E470M	ELECTRO 47UF 25WV	YM	
C142			CC45FCH1H101J	CERAMIC 100PF J	YM	
C143			CE04LW1A101M	ELECTRO 100UF 10WV	YM	
C144,145			CE04LW1H010M	ELECTRO 1.0UF 50WV	YM	
C146			CE04LW1HR47M	ELECTRO 0.47UF 50WV	YM	
C147			CK45F81H102K	CERAMIC 1000PF K	YM	
C148			CE04LW1HR47M	ELECTRO 0.47UF 50WV	YM	
C149,150			CC45FSL1H470J	CERAMIC 47PF J		
C151,152			CF92FV1H124J	MF-C 0.12UF J		
C153,154			CK45FF1H103Z	CERAMIC 0.010UF Z		
C155			CK45FF1H473Z	CERAMIC 0.047UF Z		
C160			CF92FV1H124J	MF-C 0.12UF J		
C161			CQ93FMG1H104J	MYLAR 0.10UF J		
C179,180			CC45FSL1H221J	CERAMIC 220PF J		
C195-200			CC45FSL1H221J	CERAMIC 220PF J		
C201,202			CK45FB1H102K	CERAMIC 1000PF K		
C203,204			CF92FV1H124J	MF-C 0.12UF J		
C205			C90-3217-05	ELECTRO 10UF 10WV		
C207			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C208			C90-3217-05	ELECTRO 10UF 10WV		
C209			C90-3222-05	ELECTRO 100UF 10WV		
C211			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C212			CK45FB1H102K	CERAMIC 1000PF K		
C213			C90-3224-05	ELECTRO 4.7UF 16WV		
C214			C90-3230-05	ELECTRO 100UF 16WV		
C215,216			CK45FB1H102K	CERAMIC 1000PF K		

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NO.8

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C220			CK45FF1H103Z	CERAMIC 0.010UF Z		
C221			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C222			CF92FV1H124J	MF-C 0.12UF J		
C223			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C224			CF92FV1H124J	MF-C 0.12UF J		
C225			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C226			CE04LW1A101M	ELECTRO 100UF 10WV		
C227			CF92FV1H124J	MF-C 0.12UF J		
C228			C90-3216-05	ELECTRO 330UF 6.3WV		
C229			C90-3222-05	ELECTRO 100UF 10WV		
C230			CF92FV1H124J	MF-C 0.12UF J		
C231,232			CQ93FMG1H223J	MYLAR 0.022UF J		
C233			CC45FCH1H180J	CERAMIC 18PF J		
C234			CC45FCH1H220J	CERAMIC 22PF J		
C240			C90-3222-05	ELECTRO 100UF 10WV		
C242			C91-0757-05	CERAMIC 1000PF K		
C244			C90-3222-05	ELECTRO 100UF 10WV		
C401			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	TEG	
C402			CC45FSL1H331J	CERAMIC 330PF J	TEG	
C403			CK45FB1H561K	CERAMIC 560PF K	TEG	
C404			CE04LW1V470M	ELECTRO 47UF 35WV	TEG	
C405			CK45FF1H103Z	CERAMIC 0.010UF Z	TEG	
C406			CC45FCH1H220J	CERAMIC 22PF J	TEG	
C407			CC45FCH1H470J	CERAMIC 47PF J	TEG	
C408-410			CK45FF1H103Z	CERAMIC 0.010UF Z	TEG	
CN1	1B	*	E40-4960-05	FLAT CABLE CONNCTOR (35P)	KRPYMX	
CN1	1B	*	E40-4964-05	FLAT CABLE CONNCTOR (39P)	TEG	
CN2	2C	*	E40-4922-05	FLAT CABLE CONNCTOR (35P)	KRPYMX	
CN2	2C	*	E40-4926-05	FLAT CABLE CONNCTOR (39P)	TEG	
J1			E58-0006-05	RECTANGULAR RECEPTACLE TO A-F7		
J2			E63-0046-15	PHONO JACK(4P) V1 PLAY/V2/AUX		
J3			E63-0047-15	PHONO JACK(6P) MD/V1 REC		
J4			E63-0069-15	PHONO JACK(4P) MONITOR/VIDEO1		
J5		*	E58-0014-05	RECTANGULAR RECEPTACLE		
J6 ,7			E11-0262-05	MINIATURE PHONE JACK MIC 1/2		
L2 ,3			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
L4			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	TEG	
L5			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	TEG	
X1			L77-2140-05	CRYSTAL RESONATOR(32.768kHz)		
X2 ,3			L78-0290-05	RESONATOR (8MHz)		
X10			L77-2002-05	CRYSTAL RESONATOR(4.332MHz)	TEG	
X11			L78-0244-05	RESONATOR (4.000M)	TEG	
⚠ R95 ,96			RS14KB3D151J	FL-PROOF RS 150 J 2W		
R120			RS14KB3D151J	FL-PROOF RS 150 J 2W	YM	
R131			RN14BK2C3902F	RN 39.0K F 1/6W		
R199			RS14KB3D122J	FL-PROOF RS 1.2K J 2W		
VR1			R31-0038-05	VARIABLE RESISTOR MIC MIXING		
S1 -5			S40-1064-05	PUSH SWITCH		
S6			S40-1064-05	PUSH SWITCH DIGITAL ECHO	YM	
S7 -11			S40-1064-05	PUSH SWITCH		
S12			T99-0558-05	ROTARY ENCODER TUNING		
⚠ D1 -6			S56888	DIODE		
⚠ D1 -6			1SR139-100	DIODE		

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NO.9

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
⚠ D7			HSS104A	DIODE		
⚠ D7			1SS131	DIODE		
D8			HZS6.2N(B2)	ZENER DIODE		
D8			RD6.2ES(B2)	ZENER DIODE		
D9 ,10			HZS16N(B2)	ZENER DIODE		
D9 ,10			RD16ES(B2)	ZENER DIODE		
D11 ,12			HZS13N(B2)	ZENER DIODE		
D11 ,12			RD13ES(B2)	ZENER DIODE		
D13			HZS5.1N(B2)	ZENER DIODE		
D13			RD5.1ES(B2)	ZENER DIODE		
D14 ,15			HSS104A	DIODE		
D14 ,15			1SS131	DIODE		
D16			HZS10N(B2)	ZENER DIODE		
D16			RD10ES(B2)	ZENER DIODE		
D17			HZS16N(B2)	ZENER DIODE		
D17			RD16ES(B2)	ZENER DIODE		
D19 ,20			HZS5.1N(B2)	ZENER DIODE		
D19 ,20			RD5.1ES(B2)	ZENER DIODE		
D21 -36			HSS104A	DIODE		
D21 -36			1SS131	DIODE		
D37			HSS104A	DIODE	KRPYMX	
D37			1SS131	DIODE	KRPYMX	
D39			HSS104A	DIODE	KRP	
D39			1SS131	DIODE	KRP	
D40			HSS104A	DIODE		
D40			1SS131	DIODE		
⚠ D41			S5688B	DIODE		
⚠ D41			1SR139-100	DIODE		
D42 ,43			HSS104A	DIODE		
D42 ,43			1SS131	DIODE		
D44			HZS5.1N(B2)	ZENER DIODE	YM	
D44			RD5.1ES(B2)	ZENER DIODE	YM	
D45			HSS104A	DIODE	TEG	
D45			1SS131	DIODE	TEG	
ED1			FIP10EMW6R	INDICATOR TUBE		
IC1			NJU7313AL	ANALOGUE IC		
IC1			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC2			NJM4565L-D	IC(OP AMP X2)		
IC3 ,4			NJM4565D-D	IC(OP AMP X2)		
IC3 ,4			XRA15218-DX	IC(OP AMP X2)		
IC5			M65844P	DI BI-POLAR IC	YM	
IC6			NJM4565D-D	IC(OP AMP X2)	YM	
IC6			XRA15218-DX	IC(OP AMP X2)	YM	
IC7			NJU7311AL	ANALOGUE IC		
IC7			TC9162N	IC(ANALOG SWITCH ARRAY)		
IC8			LA2785	IC(DOLBY PRO LOGIC DECODER IC)		
IC9			LV1010N	DI BI-POLAR IC		
IC10			NJM4565L-D	IC(OP AMP X2)		
IC11			NJM2279D	IC(VIDEO IC)		
IC101		⁎	CXP82440A-116Q	MI-COM IC		
IC102			PST9140-T	ANALOGUE IC		
IC103			XR-1091ECP	IC(GE FILTER)		
IC104			NJM4565L-D	IC(OP AMP X2)		
IC201			SAA6579	ANALOGUE IC	TEG	
IC202			LC6543H-4D68	MI-COM IC	TEG	

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NO.10

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
⚠ Q1			2SD2012	TRANSISTOR		
⚠ Q1			2SD2061	TRANSISTOR		
⚠ Q2 ,3			2SB1370	TRANSISTOR		
⚠ Q2 ,3			2SB1375	TRANSISTOR		
⚠ Q4			2SD2012	TRANSISTOR		
⚠ Q4			2SD2061	TRANSISTOR		
Q5			2SC3940A	TRANSISTOR		
Q5			2SD863(E,F)	TRANSISTOR		
Q6 ,7			2SC1740S(Q,R)	TRANSISTOR		
Q6 ,7			2SC2785(F,E)	TRANSISTOR		

L: Scandinavia **K**: USA **P**: Canada **R**: Mexico
Y: PX(Far East, Hawaii) **T**: England **E**: Europe **G**: Germany
Y: AAFES (Europe) **X**: Australia **M**: Other Areas

S : SINGAPORE MADE
W : MALAYSIA MADE
⚠ indicates safety critical components.

SPECIFICATIONS

For U.K. and Europe

FM tuner section

Tuning frequency range........................87.5 MHz ~ 108 MHz
Sensitivity (DIN at 75 Ω)
  MONO..1.2 µV / 13.2 dBf
Signal to noise ratio (at 1 kHz)
  (DIN weighted at 1 kHz, 65.2 dBf input)
  MONO..65 dB
  STEREO..62 dB
Selectivity (DIN ± 300 kHz)..64 dB
Stereo separation (DIN at 1 kHz).................................40 dB
Frequency response (30 Hz ~ 15 kHz)..........+ 0.5 dB, -3 dB

MW tuner section

Tuning frequency range........................531 kHz ~ 1,602 kHz
Usable sensitivity....................................12 µV / (500 µV/m)
Signal to noise ratio...48 dB

LW tuner section (U.K. only)

Tuning frequency range...........................153 kHz ~ 279 kHz
Usable sensitivity...22 µV
Signal to noise ratio...45 dB

General

Dimensions...W : 270 mm
H : 104 mm
D : 334 mm
Weight (Net)..2.0 kg

INSTRUCTION MANUAL

UD-503/553

ENGLISH	B60-2059-00	KP
FRENCH	B60-2060-00	P
FRENCH	B60-2052-00	E
GERMAN	B60-2053-00	EG
DUTCH	B60-2054-00	E
ITALIAN	B60-2055-00	E
SPANISH	B60-2056-00	E
SPANISH	B60-2061-00	R

UD-613/663

ENGLISH	B60-2051-00	YMX
SPANISH	B60-2261-00	M
CHINESE	B60-2057-00	M
TAIWANESE	B60-2058-00	M

UD-703/753

ENGLISH	B60-2066-00	KPT
FRENCH	B60-2067-00	PE
GERMAN	B60-2068-00	EG
DUTCH	B60-2069-00	E
ITALIAN	B60-2070-00	E
SPANISH	B60-2071-00	RE
For RDS	B60-2074-00	TEG

For Other countries

FM tuner section

Tuning frequency range........................87.5 MHz ~ 108 MHz
Sensitivity (IHF)...............................13.2dBf (1.2 µV at 75 Ω)
Signal to noise ratio (at 1 kHz)
  MONO...75 dB (65 dBf input)
  STEREO..68 dB (65 dBf input)
Selectivity (IHF ± 400 kHz)..50 dB
Stereo separation (IHF at 1 kHz)..................................40 dB
Frequency response (30 Hz ~ 15 kHz)..........+ 0.5 dB, -3 dB

AM tuner section

Tuning frequency range
  9 kHz step......................................531 kHz ~ 1,602 kHz
  10 kHz step....................................530 kHz ~ 1,610 kHz
Usable sensitivity....................................12 µV / (500 µV/m)
Signal to noise ratio...48 dB

General

Dimensions..W : 270 mm (10 -5/8")
H : 104 mm (4 -1/8")
D : 334 mm (13 -1/8")
Weight (Net)..2.0 kg (4.4 lb)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:
Component and circuity are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

UD-713/763

ENGLISH	B60-2259-00	YMX
SPANISH	B60-2260-00	M
CHINESE	B60-2072-00	M
TAIWANESE	B60-2073-00	M

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